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THE CANADIAN PATENT OFFICE RECORD
LA GAZETTE DU BUREAU DES BREVETS

Johanne Bélisle
Commissioner of Patents

Johanne Bélisle
Commissaire aux brevets

The Canadian Patent Office Record is published on Tuesday of each week under the authority of the Commissioner of Patents, Ottawa-Gatineau, Canada, to whom all communications should be addressed.

La Gazette du Bureau des brevets paraît le mardi de chaque semaine sous l'autorité du Commissaire aux brevets, Ottawa-Gatineau, Canada, à qui doit être adressée toute correspondance.

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Notices

1. Dates and Code Numerals Appearing in Patent Headings

Dates
All dates appearing in the patent headings of this publication follow the form recommended by the International Standards Organization. The four digits on the left represent the years followed by two digits each for the months and the days. For example, January 02, 1999 will be shown as 1999-01-02.

Code Numerals
The numerals within the brackets in the patent headings are INID codes. "INID" is an acronym for "Internationally agreed Numbers for the Identification of Data". These codes are utilized to identify patent bibliography as recommended by the Permanent Committee on Industrial Property Information (PCIPI) under the administration of the World Intellectual Property Organization (WIPO) based in Geneva, Switzerland.

The INID Codes and their corresponding definitions of bibliographic data elements are as follows:

[11] - Number of Patent document
[13] - Kind-of-document code
[21] - Number assigned to the Application
[22] - Date of Filing Application or
[22] - Date of filing of related divisional application
[25] - Language in which the published application was originally filed
[30] - Data relating to priority under the Paris Convention

[41] - Open to Public Inspection Date
[45] - Date of Issue
[48] - Correction Date (Re-Issued, Re-Examined)
[51] - International Classification
[52] - Domestic Classification
[54] - Title of Invention
[60] - Related by Supplementary Disclosure
[62] - Related by Division
[64] - Related by Reissue
[71] - Name(s) of Applicant(s)
[72] - Name(s) of Inventor(s)
[73] - Name(s) of Grantee(s)
[85] - National Entry Date
[86] - PCT International Filing Data
[87] - PCT International Publication data

Avis

1. Dates et chiffres de code figurant à l'entête des brevets

Dates
Toutes dates figurant aux entêtes des brevets de cette publication suivent la forme recommandée par l'Organisation des normes internationales. Les quatre chiffres de gauche représentent les années et sont suivis, vers la droite, de deux autres chiffres chacun, pour les mois et les jours. Le 2 janvier 1999, par exemple, sera représenté par 1999-01-02.

Chiffres de code
Les chiffres à l'intérieur des parenthèses aux entêtes des brevets sont des codes INID. Le sigle « INID » signifie « Identification numérique internationale des données bibliographiques » Ces codes sont utilisés pour l'indentification de la bibliographie de brevets, tel que recommandé par le Comité permanent chargé de l'information en matière de propriété industrielle (PCIPI), sous l'administration de l'Organisation mondiale de la propriété intellectuelle (OMPI), sise à Genève, Suisse.

Les codes INID accompagnés des définitions des données bibliographiques correspondantes sont comme suit :

[11] - Numéro du brevet
[13] - Désignation du type de document
[21] - Numéro attribué à la demande
[22] - Date du dépôt de la demande ou
[22] - Date du dépôt de la demande divisionnaire apparentée
[25] - Langue dans laquelle la demande publiée a été initialement déposée
[30] - Données relatives à la priorité selon la Convention de Paris
[41] - Date de mise à la disponibilité du public
[45] - Date de délivrance
[48] - Date de correction (Redélivrance, Réexamen)
[51] - Classification internationale
[52] - Classification nationale
[54] - Titre de l'invention
[60] - Apparenté par divulgation supplémentaire
[62] - Apparenté par division
[64] - Apparenté par redélivrance
[71] - Nom(s) du (des) demandeur(s)
[72] - Nom(s) de(s) l'inventeur(s)
[73] - Nom(s) du (des) titulaire(s)
[85] - Date d'entrée en phase nationale
[86] - Données du dépôt international selon le PCT
[87] - Données de publication internationale selon le PCT

2. Country Code

The Country Codes appearing in this publication conform to those contained in annex A of the *Handbook on Industrial Property Information and Documentation* published by the World Intellectual Property Organization (WIPO). This document is accessible from a link entitled Standards ST-3 on the List of WIPO Standards, Recommendations and Guidelines (Abbreviated Titles) located on the WIPO Web site: (www.wipo.int/scit/en/standards/standards.htm).

2. Code des pays

Les Codes des pays qui se trouvent dans cette publication sont conformes à ceux dans l'annexe A du *Manuel sur l'information et la documentation en matière de propriété industrielle* publié par l'Organisation Mondiale de la Propriété Intellectuelle (OMPI). Ce document est accessible à partir de l'hyperlien intitulé Normes ST-3 dans la Liste des normes, recommandations et principes directeurs de l'OMPI (Titres abrégés) qui se trouve au site Web de l'OMPI: (www.wipo.int/scit/fr/standards/standards.htm).

3. How to Purchase Paper Copies of Canadian Patents and Canadian Applications Open to Public Inspection

Paper copies of all other Canadian Patents and Canadian applications open to public inspection may be purchased at the cost of $1 per page by visiting (www.strategis.ic.gc.ca/patentsorder) or by writing to the Commissioner of Patents, Ottawa-Gatineau, K1A 0C9.

Item 25.1* On requesting copy in electronic form of a document:	N/A
a) for each request	$10
b) plus, for each patent or application to which the request relates	$10
c) plus, if the copy is requested on a physical medium, for each physical medium requested in addition to the first	$10
d) plus, for each additional 10 megabytes or part of them exceeding 7 megabytes	$10

3. Comment acheter des copies sur papier de brevets canadiens et de demandes canadiennes mises à la disponibilité du public

Les copies sur papier de tous les autres brevets canadiens et des demandes canadiennes mises à la disponibilité du public peuvent être achetées au coût de 1 $ par page en visitant notre site Web (www.strategis.ic.gc.ca/brevetscommande) ou en écrivant au Commissaire aux brevets, Ottawa-Gatineau, K1A 0C9.

Article 25.1* Demande d'une copie d'un document sous forme électronique :	S.O.
a) pour chaque demande	10 $
b) pour chaque demande de brevet ou brevet visé par la demande	10 $
c) dans le cas où le document doit être copié sur plus d'un support matériel, pour chaque support matériel additionnel	10 $
d) pour chaque tranche de 10 méga-octets qui excède 7 méga-octets, l'excédant étant arrondi au multiple supérieur	10 $

4. Orders for Patents by Class or Sub-Class

A listing of all patents that have issued in each class or sub-class including both patents in force and expired patents, may be ordered at a price of $1 per page from the Patent Office.

4. Commande de brevets par classe ou sous-classe

Les listes de brevets délivrés dans chaque classe ou sous-classe, incluant les brevets en vigueur et ceux ayant expiré, peuvent être commandées auprès du Bureau des brevets au prix de 1 $ la page.

5. Advice on Making a Patent Application

Any person intending to file a patent application may obtain an information kit upon request from the Commissioner of Patents, Ottawa-Gatineau, Canada K1A 0C9. It is recommended that applicants make use of the services of a registered Patent Agent. A list of Patent Agents in any area of Canada will also be supplied upon request.

5. Conseils relatifs à la préparation de demandes de brevets

Toute personne qui a l'intention de déposer une demande de brevet peut obtenir une trousse d'information sur demande faite au Commissaire aux brevets, Ottawa-Gatineau, Canada K1A 0C9. On recommande aux demandeurs d'avoir recours aux services d'un agent de brevets inscrit au registre. Une liste des agents de brevets dans n'importe quelle région du Canada sera également fournie sur demande.

6. Licensing of Patents

Voluntary Licences

Persons desiring to use, make or sell an invention patented in Canada should negotiate terms with the patent owner. The address of the patentee may be obtained by writing to the Commissioner of Patents, Ottawa-Gatineau, Canada, K1A 0C9. If a voluntary licence cannot be arranged, a compulsory licence may be possible.

Compulsory Licences

Three years after a patent has been granted, one may request a compulsory licence to use the patent if there has been an abuse of the exclusive right. See Sections 65 to 71 of the *Patent Act*. Applications for a compulsory licence are made to the Commissioner of Patents.

6. Octroi de licences en vertu des brevets

Licences librement accordées

Les personnes désirant utiliser, fabriquer ou vendre une invention brevetée au Canada doivent en négocier les conditions avec le titulaire du brevet. L'adresse du titulaire peut être obtenue en écrivant au Commissaire aux brevets, Ottawa-Gatineau, Canada, K1A 0C9. S'il est impossible d'obtenir une licence résultant d'un libre accord, il est peut être possible d'obtenir une licence obligatoire.

Licences obligatoires

Il est possible de faire la demande d'une licence obligatoire trois ans après l'octroi d'un brevet si les droits exclusifs qui en dérivent ont donné lieu à un abus. Voir les articles 65 à 71 de la *Loi sur les brevets*. Les demandes de licence obligatoire doivent être présentées au Commissaire aux brevets.

7. Patents Available for Licence or Sale

An asterisk (*) placed beside any patent listed in this issue of the *Canadian Patent Office Record* indicates that as of the date of grant the said patent is available for licence or sale. These and other patents now made available for licensing are included in the listing in part 8 of these notices.

7. Brevets disponibles pour licence ou vente

Un astérisque (*) marqué à côté de tout brevet inscrit dans le présent numéro de la *Gazette du bureau des brevets*, signale qu'à compter de la date de la présente publication, ledit brevet est disponible pour octroi de licence ou vente. Une liste de ces brevets et d'autres mis en disponibilité pour octroi de licence, est publiée au no. 8 des présents avis.

8. List of Patents Available for Licence or Sale

The following Canadian patents have been made available this week for sale or licensing:

2,777,232

8. Liste des brevets disponibles pour octroi de licence ou vente

Les brevets canadiens suivants ont été mis en disponibilité cette semaine pour vente ou octroi de licence :

2,777,232

9. Applications Open to Public Inspection

All patent applications filed since October 1, 1989 and documents filed in connection therewith are open to public inspection at the Patent Office after the expiration of a confidentiality period of eighteen months beginning on the filing date of the application, or where a request for priority has been made in respect to the application, beginning on the priority date claimed. An application may become open to public inspection sooner at the request or with the approval of the applicant (Section 10(2) of the *Patent Act*). However, an application shall not be open for public inspection if it is withdrawn within the time set out in Section 92 of the *Patent Rules*. This time limit is two months before the expiry of the confidentiality period or where the Commissioner is able to stop technical preparations to open the application to the public at a subsequent date.

9. Demandes mises à la disponibilité du public

Toutes les demandes de brevet et documents relatifs à ceux-ci, déposés au Bureau des brevets depuis le 1er octobre 1989, peuvent y être consultées après l'expiration de la période de confidentialité de dix-huit mois à compter de la date de dépôt de la demande de brevet ou, si une demande de priorité a été présentée à l'égard de celle-ci, de la date de dépôt sur laquelle la demande de priorité est fondée. Une demande de brevet peut être consultée avant l'expiration de la période, à la requête ou sur autorisation du demandeur (article 10(2) de la *Loi sur les brevets*). Toutefois, une demande de brevet ne pourra être consultée si celle-ci est retirée à l'intérieur du délai prévu à l'article 92 des *Règles sur les brevets*. Le délai prévu est de deux mois précédant la date d'expiration de la période de confidentialité ou, lorsque le commissaire est en mesure, à une date ultérieure, d'arrêter les préparatifs techniques en vue de la consultation de cette demande.

10. Language of Published Documents

When ordering a published patent, please note that the language of the document can be identified by the language code (INID [25]) EN (English) or FR (French).

10. Langue du document publié

Toute personne intéressée à obtenir une copie d'un brevet publié doit prendre note que les codes suivants EN (Anglais) ou FR (Français) représentent (INID [25]) la langue de la copie du brevet publié.

11. Patent Cooperation Treaty (PCT) Schedule of Fees Applicable for Applications Filed on or After January 2, 2018

1. **Transmittal Fee** (Rule 14)	**$300**
2. **International Filing Fee**	**$1708***
For each additional sheet over 30	**$19**
3. **International Search Fee**	**$1600**

The above mentioned fees are due at time of filing of the international application, or within one month from the international filing date (date of receipt of the international application by the receiving office). These fees are to be paid in Canadian dollars and cheques should be made payable to the Receiver General for Canada.

If the fees are not paid within one month from the international filing date, the receiving office shall invite the applicant to pay the amount required, together with a late payment fee under

11. Traité de coopération en matière de brevets (PCT) barème de taxes à partir du 2 janvier 2018

1. **Taxe de transmission** (Règle 14)	**300 $**
2. **Taxe de dépôt internationale**	**1708 $***
Pour chaque feuille au delà de 30	**19 $**
3. **Taxe de recherche internationale**	**1600 $**

Les taxes mentionnées ci-haut sont payables au moment du dépôt de la demande internationale, ou dans un délai d'un mois à compter de la date de dépôt international, (soit la date de réception de la demande internationale par l'office récepteur). Les taxes doivent être payées en dollars canadiens et les chèques sont payables au receveur général du Canada.

Si les taxes n'ont pas été payées dans un délai d'un mois à compter de la date de dépôt international, l'office récepteur invitera le demandeur à payer le montant dû, accompagné de la

Rule 16bis.2, within one month from the date of the invitation. Failure to pay the fees will result in the withdrawal of the application by the receiving office.

4. Late payment fee
50% of the fees that are due, or,
Minimum: Transmittal fee
Maximum: 50% of the international filing fee

Preliminary Examination

5. Handling fee (Rule 57.2(*a*)) **$257**

6. Preliminary examination fee (Rule 58) **$800**

* International fees will be reduced by:

- **$257** for all applications filed electronically using PCT-SAFE or ePCT (The request in character coded format).
- **$385** for all applications filed electronically using PCT-SAFE or ePCT (The request, description, claims and abstract in character coded format).

taxe pour le paiement tardif visée à la règle 16bis.2, dans un délai d'un mois à compter de l'invitation. Si vous omettez de payer les taxes, l'office récepteur retirera votre demande.

4. Taxe pour paiement tardif
50% du montant impayé, ou,
Minimum : taxe de transmission
Maximum : 50% de la taxe de dépôt international

Examen préliminaire

5. Taxe de traitement (Règle 57.2*a*)) **257 $**

6. Taxe d'examen préliminaire (Règle 58) **800 $**

* Les frais seront réduits de:

- **257 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête étant en format à codage de caractères).
- **385 $** pour toutes les demandes déposées en utilisant PCT-SAFE ou ePCT (La requête, la description, les revendications et l'abrégé étant en format à codage de caractères).

12. PCT Notices

Patent Cooperation Treaty (PCT)

Copies of the *Patent Cooperation Treaty Applicants Guide* and the *Patent Cooperation Treaty & Regulations* are available from WIPO - World Intellectual Property Organization at a cost of 200 Swiss Francs and 18 Swiss Francs, respectively.

Those wishing for further information including prices for both previous and current subscriptions should contact WIPO at:

Information Products Section
Post Office Box 18
1211 Geneva 20 Switzerland
Telephone (011 41 22) 338-9618
Facsimile (011 41 22) 740-1812

or by "E-mail" (publications.mail@wipo.int) or visit their Web site (www.wipo.int).

12. Avis PCT

Traité de Coopération en matière de brevets (PCT)

Des copies du *Guide du déposant du PCT* ainsi que du *Traité et des Règlements* sont disponibles auprès de l'OMPI - Organisation mondiale de la propriété intellectuelle au coût de 200 francs suisses et 18 francs suisses, respectivement.

Les personnes qui désirent obtenir de plus amples renseignements, notamment sur le prix des abonnements antérieurs et courants, sont priées de s'adresser directement à :

l'OMPI à la Section des produits d'information
Boîte postale 18
1211 Genève 20 Suisse
Téléphone (011 41 22) 338-9618
Télécopieur (011 41 22) 740-1812

ou par courriel (publications.mail@wipo.int) ou visiter leur site Web (www.wipo.int).

13. Practice Notice

LIMITED PARTNERSHIPS CAN BE ENTERED ON THE REGISTER OF AGENTS AND ON THE LIST OF TRADE-MARK AGENTS

Note: *This practice notice is intended to provide guidance on current Patent and Trade-marks Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

The Patent Office and the Trade-marks Office (hereinafter jointly referred to as "the Offices") have been receiving inquiries as to whether limited partnerships are entitled to act as patent and trade-mark agents before the Offices.

With respect to the register of patent agents, section 15 of the *Patent Act* provides that a register of patent agents shall be kept in the Patent Office on which shall be entered the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for patents or in other business before the Patent Office. Section 2 of the *Patent Rules* stipulates that the expression "patent agent" means any person or firm whose name is entered on the register of patent agents pursuant to section 15. Paragraph 15(c) of the *Patent Rules* provides that the Commissioner shall enter on the register of patent agents, on payment of the fee set out in item 33 of Schedule II, the name of **any firm, if the name of at least one member of the firm is entered on the register.**

With respect to the list of trade-mark agents, subsection 28(2) of the *Trade-marks Act* provides that the list of trade-mark agents shall include the names of all persons and firms entitled to represent applicants in the presentation and prosecution of applications for the registration of a trade-mark or in other business before the Trade-marks Office. Paragraph 21(d) of the *Trade-mark Regulations* (1996) stipulates that the Registrar shall, on written request and payment of the fee set out in item 19 of the schedule, enter on a list of trade-mark agents the name of **any firm having the name of at least one of its members entered on the list as a trade-mark agent.**

Both the patent and trade-mark legislation therefore provide that firms may act as agents before the Offices, as long as one of their members is entered on the register or list of agents. It is generally recognised that the term "firm" includes partnerships, and the Offices have already allowed general partnerships and limited liability partnerships to be entered on the register or list of agents. The Offices consider that limited partnerships are also firms, and that they are entitled to act as agents before the

13. Énoncé de pratique

LES SOCIÉTÉS EN COMMANDITE PEUVENT ÊTRE INSCRITES AU REGISTRE DES AGENTS DE BREVETS ET SUR LA LISTE DES AGENTS DE MARQUES DE COMMERCE

Nota : *Le présent énoncé de pratique a pour but de préciser les pratiques actuelles du Bureau des brevets et du Bureau des marques de commerce et l'interprétation faite par ces derniers de certaines dispositions législatives. Toutefois, en cas de divergence entre le présent énoncé et la législation applicable, c'est la législation qui prévaudra.*

Le Bureau des brevets et le Bureau des marques de commerce (ci-après appelés conjointement « les Bureaux ») ont reçu des questions à savoir si les sociétés en commandite (en anglais « limited partnerships ») ont le droit d'agir en tant qu'agents de brevets et de marques de commerce auprès des Bureaux.

En ce qui concerne le registre des agents de brevets, l'article 15 de la *Loi sur les brevets* prévoit qu'un registre des agents de brevets est tenu au Bureau des brevets sur lequel sont inscrits les noms de toutes les personnes et entreprises ayant le droit de représenter les demandeurs dans la présentation et la poursuite des demandes de brevet ou dans toute autre affaire devant le Bureau des brevets. Aux termes de l'article 2 des *Règles sur les brevets*, « agent de brevets » s'entend de toute personne ou maison d'affaires dont le nom est inscrit au registre des agents de brevets aux termes de l'article 15. L'alinéa 15c) des *Règles sur les brevets* prévoit que le commissaire inscrit au registre des agents de brevets, moyennant paiement de la taxe prévue à l'article 33 de l'annexe II, le nom de **toute maison d'affaires dont le nom d'au moins un membre est inscrit au registre des agents de brevets**.

En ce qui concerne la liste des agents de marques de commerce, le paragraphe 28(2) de la *Loi sur les marques de commerce* prévoit que la liste des agents de marques de commerce comporte les noms des personnes et études habilitées à représenter les intéressés dans la présentation et la poursuite des demandes d'enregistrement des marques de commerce et de toute affaire devant le Bureau des marques de commerce. Aux termes de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996), le registraire, sur demande écrite et sur paiement du droit prévu à l'article 19 de l'annexe, inscrit sur la liste des agents de marques de commerce le nom de **toute firme dont le nom d'au moins un membre est inscrit sur la liste à titre d'agent de marques de commerce.**

La législation actuelle sur les brevets et celle sur les marques de commerce prévoient donc que des firmes peuvent agir en tant qu'agents auprès des Bureaux, à condition que l'un de leurs membres soit inscrit au registre ou à la liste des agents. Il est généralement admis que le terme « firme » inclut les sociétés (en anglais «partnerships ») et les Bureaux ont déjà autorisé des sociétés en nom collectif (en anglais « general partnerships») ainsi que des sociétés à responsabilité limitée

Offices.

(en anglais « limited liability partnerships ») à être inscrites au registre ou à la liste des agents. Les Bureaux considèrent que les sociétés en commandite sont aussi des firmes et qu'elles ont le droit d'agir en tant qu'agents auprès des Bureaux.

Therefore, commencing immediately, the Offices will enter upon request, on the register or list of agents, limited partnerships that otherwise meet the requirements set out in the patent and trade-mark legislation.

En conséquence, sur demande, les Bureaux inscriront désormais au registre, ou à la liste des agents, les sociétés en commandite qui répondent aux exigences de la *Loi sur les brevets et de la Loi sur les marques de commerce.*

The Offices, however, continue to consider that the current patent and trade-mark legislation do not allow corporations to be entered on the register or list of agents, since corporations do not have members and therefore cannot meet the requirements set out in paragraph 15(c) of the *Patent Rules* and paragraph 21(d) of the *Trade-mark Regulations* (1996).

Les Bureaux continuent toutefois de considérer que la législation actuelle sur les brevets et les marques de commerce ne permet pas aux compagnies (en anglais « corporations ») d'être inscrites au registre ou à la liste des agents, étant donné que les compagnies n'ont pas de membres et ne peuvent donc pas satisfaire aux exigences de l'alinéa 15c) des *Règles sur les brevets* et de l'alinéa 21d) du *Règlement sur les marques de commerce* (1996).

14. Correspondence Procedures

June 20, 2017

1. Physical Delivery of Correspondence to CIPO
2. Electronic Correspondence
3. Details concerning the electronic formats accepted
4. General Information
5. Statutory Holidays
6. Procedures in case of an unexpected Office closure at CIPO
7. Procedures when CIPO is open for business but clients are unable to communicate with the Office
8. Intellectual property acts, rules and regulations

14. Procédures de correspondance

le 20 juin, 2017

1. Livraison en personne de correspondance à l'OPIC.
2. Correspondance électronique
3. Précisions concernant les formats électroniques acceptés
4. Renseignements généraux
5. Jours fériés
6. Procédures en cas de fermeture des bureaux
7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture
8. Lois, règles et règlements sur la propriété intellectuelle

This notice will replace all previous notices regarding Correspondence Procedures.

Note: *This practice notice is intended to provide guidance on current Canadian Intellectual Property Office practice and interpretation of relevant legislation. However, in the event of any inconsistency between this notice and the applicable legislation, the legislation must be followed.*

Le présent avis remplacera tous les avis antérieurs relatifs aux procédures de correspondance.

Nota : *Le présent avis fournit une orientation concernant les pratiques et interprétations relatives aux lois pertinentes au sein de l'Office de la propriété intellectuelle du Canada. Toutefois, en cas d'incompatibilité entre cet avis et la législation applicable, c'est celle-ci qu'il faudra suivre.*

1. Physical Delivery of Correspondence to CIPO

For the purposes of sections 5 and 54 of the Patent Rules, section 3 of the Trade-marks Regulations, section 2 of the Copyright Regulations, section 3 of the Industrial Design Regulations and section 3 of the Integrated Circuit Topography Regulations, the address of the Patent Office, the Office of the

1. Livraison en personne de correspondance à l'OPIC

Aux fins des articles 5 et 54 des Règles sur les brevets, de l'article 3 du Règlement sur les marques de commerce, de l'article 2 du Règlement sur le droit d'auteur, de l'article 3 du Règlement sur les dessins industriels et de l'article 3 du Règlement sur les topographies de circuits intégrés, l'adresse

Registrar of Trade-marks, the Copyright Office, the Industrial Design section of the Office of the Commissioner of Patents, and the Office of the Registrar of Topographics (hereinafter sometimes collectively referred to as "CIPO") is:

Canadian Intellectual Property Office
Place du Portage I
50 Victoria Street, Room C-114
Gatineau QC K1A 0C9

Correspondence delivered to the above address during ordinary business hours 8:30 a.m. to 4:30 p.m. (local time) will be considered to be received on the date of delivery.

Please be advised that once correspondence is received by CIPO it cannot be returned to the sender, even if the sender states that the correspondence was sent by mistake. Exceptionally, in cases where correspondence is related to a patent application that does not meet the requirements under subsection 27.1(1) of the Patent Act for obtaining a filing date, the documents will be returned to the sender.

The Fee Payment Form should always be submitted as a covering document and should be the only document submitted to CIPO that contains financial information, such as credit card numbers.

Download the Fee Payment Form.

1.1 Designated Establishments

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the following are the designated establishments or designated offices to which correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographics may be delivered **in person**:

1. Innovation, Science and Economic Development Canada
   C.D. Howe Building
   235 Queen Street, Room S-143
   Ottawa ON K1A 0H5
   Tel.: 343-291-3436

   8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

2. Innovation, Science and Economic Development Canada
   Sun Life Building
   1155 Metcalfe Street, Room 950
   Montreal QC H3B 2V6

du Bureau des brevets, du Bureau du registraire des marques de commerce, du Bureau du droit d'auteur, de la Section des dessins industriels du Bureau du commissaire aux brevets, et du Bureau du registraire des topographies (ci-après parfois collectivement appelés « OPIC » est la suivante :

Office de la propriété intellectuelle du Canada
Place du Portage I
50, rue Victoria, pièce C-114
Gatineau (Québec) K1A 0C9

La correspondance livrée à l'adresse ci-dessus lors des heures normales d'ouverture, soit de 8h30 à 16h30 (heure locale), sera considérée comme ayant été reçue la journée même de la livraison.

Veuillez prendre note qu'une fois que l'OPIC reçoit de la correspondance, il ne peut pas la retourner à l'expéditeur, même si l'expéditeur indique que la correspondance a été envoyée par erreur. Exceptionnellement, dans le cas où la correspondance vise une demande de brevet ne satisfaisant pas aux exigences du paragraphe 27.1(1) de la Loi sur les brevets pour l'obtention d'une date de dépôt, les documents seront retournés à l'expéditeur.

Le formulaire de paiements devrait toujours être présenté comme page couverture et devrait être le seul document soumis à l'OPIC contenant de l'information financière telle que les numéros de carte de crédit.

Téléchargez le formulaire de paiements.

1.1 Établissements désignés

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les établissements ou bureaux désignés où peut être livrée **en personne** la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies sont les suivants :

1. Innovation, Sciences et Développement économique Canada
   Édifice C.D. Howe
   235, rue Queen, pièce S-143
   Ottawa (Ontario) K1A 0H5
   Tél. : 343-291-3436

   8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

2. Innovation, Sciences et Développement économique Canada
   Édifice Sun Life
   1155, rue Metcalfe, bureau 950
   Montréal (Québec) H3B 2V6

Tel.: 514-496-1797
Toll-free: 1-888-237-3037

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

3. Innovation, Science and Economic Development Canada
151 Yonge Street, 4th Floor
Toronto ON M5C 2W7
Tel.: 416-973-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

4. Innovation, Science and Economic Development Canada
Canada Place
9700 Jasper Avenue, Suite 725
Edmonton AB T5J 4C3
Tel.: 780-495-4782
Toll-free: 1-800-461-2646

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

5. Innovation, Science and Economic Development Canada
Library Square
300 West Georgia Street, Suite 2000
Vancouver BC V6B 6E1
Tel.: 604-666-5000

8:30 a.m. to 4:30 p.m. (local time) Monday to Friday

Correspondence delivered, during ordinary business hours, to one of the designated establishments listed above, will be considered to be received on the date of delivery to that designated establishment, only if it is also a day on which CIPO is open for business. Correspondence delivered to a designated establishment on a day when CIPO is closed for business will be considered to be received on the next day on which CIPO is open for business. For example, correspondence delivered to the designated establishment in Toronto on June 24 will not be considered received on June 24 since CIPO is closed for business. The correspondence will be considered received on the next day CIPO is open for business.

Please note that documents delivered to the addresses listed above must be enclosed in a sealed envelope.

1.2. Registered Mail™ and Xpresspost™ services of Canada Post

For the purposes of subsections 5(4) and 54(3) of the Patent Rules, subsection 3(4) of the Trade-marks Regulations, subsection 2(4) of the Copyright Regulations, subsection 3(4) of the Industrial Design Regulations and subsection 3(4) of the Integrated Circuit Topography Regulations, the Registered Mail™ and Xpresspost™ services of Canada Post are designated establishments or designated offices to which

Tél. : 514-496-1797
Sans frais : 1-888-237-3037

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

3. Innovation, Sciences et Développement économique Canada
151, rue Yonge, 4e étage
Toronto (Ontario) M5C 2W7
Tél. : 416-973-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

4. Innovation, Sciences et Développement économique Canada
Canada Place
9700, avenue Jasper, pièce 725
Edmonton (Alberta) T5J 4C3
Tél. : 780-495-4782
Sans frais : 1-800-461-2646

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

5. Innovation, Sciences et Développement économique Canada
Library Square
300, rue Georgia Ouest, pièce 2000
Vancouver (C.-B.) V6B 6E1
Tél. : 604-666-5000

8 h 30 à 16 h 30 (heure locale) du lundi au vendredi

La correspondance livrée pendant les heures normales d'ouverture à l'un des établissements désignés susmentionnés sera réputée reçue à la date de livraison à cet établissement seulement si l'OPIC est ouvert au public à cette même date. Sinon, elle sera réputée avoir été reçue à la date du jour d'ouverture suivant de l'OPIC. Par exemple, la correspondance livrée à un établissement désigné à Toronto le 24 juin ne sera pas considérée comme ayant été reçue le 24 juin, puisque les bureaux de l'OPIC seront fermés. La correspondance sera considérée comme ayant été reçue lors de la prochaine journée ouvrable de l'OPIC.

Prendre note que les documents livrés aux adresses énumérées ci-dessus doivent être insérés dans une enveloppe scellée.

1.2. Services Courrier recommandé^MC et Xpresspost^MC de Postes Canada

Aux fins des paragraphes 5(4) et 54(3) des Règles sur les brevets, du paragraphe 3(4) du Règlement sur les marques de commerce, du paragraphe 2(4) du Règlement sur le droit d'auteur, du paragraphe 3(4) du Règlement sur les dessins industriels et du paragraphe 3(4) du Règlement sur les topographies de circuits intégrés, les services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont des

correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be delivered.

établissements ou des bureaux désignés auquels la correspondance adressée au commissaire aux brevets, au Registraire des marques de commerce, au Bureau du droit d'auteur ou au Registraire des topographies peut être livrée.

CIPO considers that correspondence delivered through the Registered Mail™ and Xpresspost™ services of Canada Post is received by CIPO on the day indicated on the mailing receipt provided by Canada Post, or if CIPO is closed for business on that day, on the day when CIPO is next open for business.

L'OPIC considère que la correspondance livrée par l'entremise des services Courrier recommandé^MC et Xpresspost^MC de Postes Canada sont reçus par l'OPIC le jour indiqué sur le reçu de confirmation émis par Postes Canada, ou si l'OPIC est fermé au public ce jour-là, le jour de la réouverture de l'OPIC.

2. Electronic Correspondence

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, subsection 3(6) of the Trade-marks Regulations, subsection 2(6) of the Copyright Regulations, subsection 3(6) of the Industrial Design Regulations, and subsection 3(6) of the Integrated Circuit Topography Regulations, correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent by facsimile, online or on an electronic medium only as provided in the current notice.

In accordance with subsection 54(5) of the Patent Rules, the request for national entry is the only correspondence addressed to the Commissioner in respect of an international application that can be submitted online or on an electronic medium with the exception of sequence listings, applications prepared using the PCT-SAFE software or prepared using WIPO's ePCT online service as specified in the current notice. Other correspondence submitted online or on an electronic medium in respect of international applications that have not entered the national phase will not be accepted.

Subsection 3(9) of the Trade-marks Regulations specifies certain categories of correspondence to which the provisions of subsection 3(6) do not apply and which thus may not be sent by facsimile or online.

Correspondence sent by facsimile or online to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies constitutes the original, therefore a duplicate paper copy should not be forwarded.

Correspondence delivered by electronic means of transmission, including facsimile, will be considered to be received on the day that it is transmitted if delivered and received before midnight, local time at CIPO on a day when CIPO is open for business. When CIPO is closed for business, correspondence delivered on that day will be considered to be received on the next day on which CIPO is open for business.

2. Correspondance électronique

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, du paragraphe 3(6) du Règlement sur les marques de commerce, du paragraphe 2(6) du Règlement sur le droit d'auteur, du paragraphe 3(6) du Règlement sur les dessins industriels et du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par télécopieur ou encore en ligne ou à l'aide d'un support électronique et ce, seulement de la manière indiquée dans le présent avis.

Conformément au paragraphe 54(5) des Règles sur les brevets, la demande d'entrée en phase nationale d'une demande internationale est la seule correspondance adressée au commissaire qui peut être présentée en ligne ou sur support électronique, à l'exception des listages de séquences, des demandes préparées à l'aide du logiciel PCT-SAFE ou préparées à l'aide du service en ligne ePCT de l'OMPI, tel qu'indiqué dans le présent avis. Toute autre correspondance présentée en ligne ou sur support électronique relativement à des demandes internationales qui ne sont pas entrées dans la phase nationale ne sera pas acceptée.

Le paragraphe 3(9) du Règlement sur les marques de commerce prévoit certaines catégories de correspondance auxquelles les dispositions du paragraphe 3(6) ne s'appliquent pas et qui, par conséquent, ne peuvent pas être envoyées par télécopieur ou en ligne.

La correspondance envoyée par télécopieur ou en ligne au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies tient lieu d'original. Par conséquent, une copie sur support papier ne devrait pas être expédiée.

La correspondance livrée et reçue par voie électronique, y compris par télécopieur, est réputée reçue à l'OPIC le jour même avant minuit, heure locale, lorsque l'OPIC est ouvert au public. Si elle est transmise un jour où l'OPIC est fermé au public, elle est réputée reçue à la date du jour d'ouverture suivant de l'OPIC.

2.1 Facsimile

Facsimile correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent to the following facsimile numbers:

- (819) 953-CIPO (2476) or
- (819) 953-OPIC (6742)

Facsimile correspondence that is sent to any facsimile number other than those indicated above, including those of a designated establishment or designated office, will be considered not to have been received.

The electronic transmittal report returned to you following your facsimile transmission will constitute your acknowledgment receipt. Confidentiality of the facsimile transmission process cannot be guaranteed. Please note that CIPO strongly discourages the use of a computer facsimile interface or internet-based facsimile services due to technical issues with reception.

When submitting a document by facsimile that also has a fee requirement, notification of the preferred mode of payment to be applied must be prominently displayed on the Fee Payment Form to ensure expedient processing.

Patents

The document presentation requirements set out in sections 69 and 70 of the Patent Rules apply to facsimile correspondence.

2.1 Correspondance par télécopieur

La correspondance par télécopieur adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise aux numéros ci-dessous :

- 819-953-OPIC (6742) ou
- 819-953-CIPO (2476)

La correspondance qui est transmise par télécopieur à tout autre numéro de télécopieur que ceux qui sont indiqués ci-dessus, y compris ceux d'établissements ou de bureaux désignés, sera réputée non reçue.

Le rapport de transmission électronique que vous recevrez après votre envoi par télécopieur constituera votre accusé de réception. La confidentialité du processus de transmission électronique ne peut pas être garantie. Veuillez noter que l'OPIC décourage fortement l'utilisation d'interface de télécopie par ordinateur ou de services de télécopie par le biais d'internet étant donné les problèmes techniques probables avec la réception.

Quand on transmet par télécopieur un document comprenant une demande d'acquittement de frais, il faut clairement indiquer le mode de paiement préféré sur le formulaire de paiements en vue d'assurer un traitement rapide.

Brevets

Les exigences relatives à la présentation des documents énoncées aux articles 69 et 70 des Règles sur les brevets s'appliquent à la correspondance par télécopieur.

2.2 Online

Correspondence addressed to the Commissioner of Patents, the Registrar of Trade-marks, the Copyright Office or the Registrar of Topographies may be sent electronically using the relevant links below.

Patents

For the purpose of subsection 5(6) of the Patent Rules, correspondence addressed to the Commissioner may be sent electronically by accessing the following pages:

- filing an application (regular application);
- filing a request for national entry;
- filing an international application (PCT Safe or ePCT);
- general correspondence relating to applications and patents;
- maintaining the name of a patent agent on the register

2.2 En ligne

La correspondance adressée au commissaire aux brevets, au registraire des marques de commerce, au Bureau du droit d'auteur ou au registraire des topographies peut être transmise par voie électronique.

Brevets

Aux fins du paragraphe 5(6) des Règles sur les brevets, la correspondance adressée au commissaire peut être envoyée par voie électronique, notamment par le biais des pages suivantes :

- déposer une demande (demande régulière);
- déposer une demande d'entrée dans la phase nationale;
- déposer une demande internationale (PCT Safe ou ePCT);
- correspondance générale concernant des demandes et des brevets;
- maintien du nom d'un agent de brevets dans le registre

of patent agents; and
- ordering copies in paper, or electronic form of a document.

des agents de brevets;
- commande de copies papier ou d'un document sous forme électronique.

Canada as Receiving Office Under the PCT: PCT-SAFE

Pursuant to PCT Rule 89bis, CIPO, in its role as a receiving Office, accepts the electronic filing of an international application prepared using the latest version of the WIPO's PCT-Safe software and applications prepared using WIPO's ePCT online service. Filing in both cases must be done using CIPO's International Filing e-service, called PCT E-Filing.

Note: Correspondence related to PCT international applications can not be sent electronically to CIPO. Correspondence may be sent by mail, by facsimile or delivered by hand to CIPO or to a designated establishment.

Le Canada comme office récepteur au titre du PCT : PCT-SAFE et ePCT

Conformément à la Règle 89bis du PCT, l'OPIC, à titre d'office récepteur, accepte le dépôt d'une demande internationale préparée à l'aide de la plus récente version du logiciel PCT-SAFE de l'OMPI, et d'une demande préparée à l'aide du service en ligne ePCT de l'OMPI. Dans les deux cas, le dépôt doit se faire à l'aide du service électronique de dépôt de demandes internationales de l'OPIC, appelé Dépôt en ligne de demandes PCT.

Note: La correspondance liée aux demandes internationales PCT ne peut être envoyée par voie électronique à l'OPIC. La correspondance peut être envoyée par courrier, par télécopieur ou remis en mains à l'OPIC ou à un établissement désigné.

Trademarks

For the purpose of subsection 3(6) of the Trade-marks Regulations, the following correspondence addressed to the Registrar of Trade-marks may be sent electronically by accessing the following pages:

- filing a new or revised trademark application;
- renewal of a trademark registration;
- request to enter a name on the list of trademark agents;
- annual renewal of a trademark agent;
- requesting copies of trademark documents;
- filing of a declaration of use;
- registration of a trademark application;
- statement of Opposition; and
- extensions of time in trademark opposition cases

Marques de commerce

Aux fins du paragraphe 3(6) du Règlement sur les marques de commerce, la correspondance indiquée ci-dessous qui est adressée au registraire des marques de commerce peut être envoyés par voie électronique, notamment par les pages suivantes :

- nouvelle demande ou demande modifiée d'enregistrement de marque de commerce;
- renouvellement de l'enregistrement d'une marque de commerce;
- demande d'inscription d'un nom à la liste des agents de marques de commerce;
- renouvellement annuel d'un agent de marques de commerce;
- commande de copies de documents de marques de commerce,
- dépôt d'une déclaration d'emploi;
- l'enregistrement d'une marque de commerce
- dépôt d'une déclaration d'opposition; et
- demande de prolongation de délai dans une procédure d'opposition.

Copyright

For the purpose of subsection 2(6) of the Copyright Regulations, the following correspondence addressed to the Copyright Office may be sent electronically, by accessing the following pages:

- application for registration of a copyright in a work,
- application for registration of a copyright in a performer's performance, sound recording or a

Droits d'auteur

Aux fins du paragraphe 2(6) du Règlement sur le droit d'auteur, la correspondance indiquée ci-dessous qui est adressée au Bureau du droit d'auteur peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un droit d'auteur sur une œuvre,
- demande d'enregistrement d'un droit d'auteur sur une prestation, un enregistrement sonore ou un signal de

communication signal;

- filing a grant of interest;
- request for certificate of correction;
- ordering copies in paper, or electronic form of a document; and
- general correspondence relating to copyright.

communication;

- dépôt d'une concession d'intérêt;
- demande de certificat de correction;
- commande de copies des documents papier ou électroniques et
- correspondance générale relative aux droits d'auteur.

Industrial Designs

For the purpose of subsection 3(6) of the Industrial Design Regulations, the following correspondence addressed to the Commissioner of Patents may be sent electronically, by accessing the following pages:

- application for registration of an industrial design;
- ordering copies in paper, or electronic form of a document;
- general correspondence relating to industrial designs; and
- payment of industrial design maintenance fees.

Dessins industriels

Aux fins du paragraphe 3(6) du Règlement sur les dessins industriels, la correspondance indiquée ci-dessous qui est adressée au commissaire aux brevets peut être transmise par voie électronique. Pour ce faire, il faut accéder aux pages suivantes :

- demande d'enregistrement d'un dessin industriel;
- commande de copies de documents papier ou électroniques;
- correspondance générale relative aux dessins industriels; et
- paiement des droits de maintien des dessins industriels.

Integrated Circuit Topographies

For the purpose of subsection 3(6) of the Integrated Circuit Topography Regulations, the following correspondence addressed to the Registrar of Topographies may be sent electronically, by accessing the following page:

- general correspondence relating to integrated circuit topographies.

Topographies de circuits intégrés

Aux fins du paragraphe 3(6) du Règlement sur les topographies de circuits intégrés, la correspondance indiquée ci-dessous qui est adressée au registraire des topographies peut être transmise par voie électronique. Pour ce faire, il faut accéder à la page suivante :

- correspondance générale relative aux topographies de circuits intégrés.

2.3 Electronic medium

Patents

The Patent Office will accept correspondence on various types of electronic medium as specified below. The electronic medium should contain a table of contents and be provided with a cover letter, which will be date stamped by CIPO and placed in the application file. Filing date requirements prescribed in the Patent Rules still remain.

When submitted on an electronic medium, the parts of the application must be logically broken down in files, which are no larger than 25 megabytes.

With regards to sequence listings under Rule 111 of the Patent Rules, the electronic medium must be separate from any electronic medium which may be filed containing parts of the

2.3 Supports électroniques

Brevets

Le Bureau des brevets acceptera la correspondance transmise à l'aide de divers supports électroniques, tel qu'indiqué ci-dessous. Le support électronique devrait contenir une table des matières et être accompagné d'une lettre explicative, laquelle sera datée par l'OPIC et placée dans le dossier de la demande. Les exigences relatives à la date de dépôt énoncées dans les Règles sur les brevets resteront applicables.

Les parties d'une demande qui sont présentées sur support électronique doivent être logiquement réparties en fichiers de 25 mégaoctets au maximum.

En ce qui concerne les listages des séquences prévus à l'article 111 des Règles sur les brevets, le support électronique doit être distinct de tout support électronique qui peut être déposé et qui

application itself or amendment(s) thereof.

contient des parties de la demande elle-même ou des modifications relatives à la demande.

Canada as Receiving Office Under the PCT: Electronic Filing of Sequence Listings

Pursuant to PCT Rules 89bis and 89ter, and in accordance with Part 7 of the PCT Administrative Instructions, where an international application contains disclosure of one or more nucleotide and/or amino acid sequence listings, CIPO, in its role as a receiving Office, accepts that the sequence listing part of the description and/or any table related to the sequence listing(s) be filed, at the option of the applicant:

i. only on an electronic medium in electronic form in accordance with section 702 of Part 7 of the PCT Administrative Instructions; or

ii. both on an electronic medium in electronic form and on paper in accordance with section 702 of Part 7 of the PCT Administrative Instructions;

provided that the other elements of the international application are filed as otherwise provided for under the PCT.

The sequence listing part of an international application filed in electronic form and related tables filed in electronic form shall comply with the relevant provisions of Annex C and C-bis of the PCT Administrative Instructions respectively.

For this purpose the Canadian receiving Office will accept any electronic media specified in Annex F of the PCT Administrative Instructions. Where both the sequence listing and the tables are filed in electronic form, the listing and the tables shall be contained on separate electronic media, which shall contain no other programs or files.

For the purpose of processing the international application, the Canadian receiving Office requires two (2) additional copies of the electronic media containing the sequence listing and/or tables in electronic form, accompanied by a statement that the sequence listings and/or tables contained in the copies are identical to those in electronic form as filed.

For further details concerning the filing of sequence listings and/or tables in electronic form, including the labeling of the electronic media and the calculation of the international filing fee, refer to section 7 of the PCT Administrative Instructions.

Le Canada comme office récepteur au titre du PCT : Dépôt électronique des listages de séquences

Conformément aux Règles 89bis et 89ter du PCT et à la Partie 7 des Instructions administratives du PCT, lorsqu'une demande internationale contient la divulgation d'un ou de plusieurs listages des séquences de nucléotides et/ou d'acides aminés, à titre d'office récepteur l'OPIC accepte le dépôt de la partie de la description contenant les listages des séquences et/ou de tout tableau relatif aux listages des séquences et ce, à la discrétion du requérant :

i. seulement sous forme électronique et sur support électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT, ou

ii. sur support papier et sur support électronique sous forme électronique, conformément à l'article 702 de la Partie 7 des Instructions administratives du PCT,

à condition que les autres éléments de la demande internationale soient déposés conformément aux dispositions du PCT.

Dans une demande internationale déposée sous forme électronique, la partie qui contient le listage des séquences et les tableaux connexes seront conformes aux dispositions pertinentes de l'Annexe C et de l'Annexe C-bis des Instructions administratives du PCT, respectivement.

À cette fin, l'office récepteur canadien acceptera tout support électronique prévu à l'Annexe F des Instructions administratives du PCT. Lorsque le listage des séquences et les tableaux sont déposés sous forme électronique, ils le seront sur des supports électroniques distincts ne contenant pas d'autres programmes ni fichiers.

Aux fins du traitement de la demande internationale, l'office récepteur canadien exige deux (2) copies supplémentaires du support électronique contenant le listage de séquences et/ou les tableaux sous forme électronique, accompagnées d'une déclaration indiquant que le listage des séquences et/ou les tableaux contenus dans les copies sont identiques à ceux qui ont été déposés sous forme électronique.

On trouvera à l'article 7 des Instructions administratives du PCT des détails supplémentaires sur le dépôt de listages des séquences et/ou de tableaux sous forme électronique, notamment sur l'étiquetage des supports électroniques et le calcul de la taxe de dépôt internationale.

Electronic Media accepted by the Patent Office

The Patent Office will accept 3.5 inch diskette, CD-ROM, CD-R, DVD, DVD-R and any format as specified in Annex F of

Supports électroniques acceptés par le Bureau des brevets

Le Bureau de brevets acceptera des disquettes 3,5 pouces, CD-ROM, CD-R, DVD, DVD-R et tout format spécifié à l'Annexe

the PCT Administration Instructions.

The electronic medium must also be free of worms, viruses or other malicious content. Files with malicious content will be deleted.

F des Instructions administratives du PCT.

Le support électronique doit aussi être exempt de tout ver, virus ou autre contenu malveillant. Les fichiers ayant un contenu malveillant seront effacés.

3. Details concerning the electronic formats accepted

Patents

In accordance with section 8.1 of the Patent Act, and for the purposes of subsections 5(6), 54(5), and 68(3) of the Patent Rules, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures or on electronic media are TIFF and PDF. In order to get a correspondence date, the office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the office will request the documents to be replaced by documents in PDF or TIFF and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

Sequence listings can be initially provided in TIFF, PDF or in ASCII file formats. However, as a completion requirement according to section 94 of the Patent Rules, a sequence listing in the ASCII format compliant with the "PCT sequence listing standard" has to be submitted. Therefore, CIPO encourages applicants to submit the sequence listings in the ASCII format in the first place.

When applicable, the Patent Office will accept files in the TIFF, PDF and ASCII format when they comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- Resolution of either 300 or 400 dpi;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11" or A4.

PDF Format:

- Adobe Portable Document Format Version 1.4 compatible;
- Non-compressed text to facilitate searching;
- Unencrypted text;
- No embedded OLE objects;
- All fonts must be embedded and licensed for distribution.

3. Précisions concernant les formats électroniques acceptés

Brevets

Conformément à l'article 8.1 de la Loi sur les brevets et aux fins des paragraphes 5(6), 54(5) et 68(3) des Règles sur les brevets, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance ou sur support électronique sont les formats TIFF et PDF. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ». Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers en format PDF ou TIFF, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents initialement déposés.

Les listages des séquences peuvent être initialement déposés sous forme de fichiers TIFF, PDF ou ASCII. Toutefois, afin de compléter la demande, conformément à l'article 94 des Règles sur les brevets, un listage des séquences en format ASCII conforme à la Norme PCT de listage des séquences devra être présenté. L'OPIC encourage donc les demandeurs à déposer les listages de séquences en format ASCII dès le départ.

Le cas échéant, le Bureau des brevets acceptera des fichiers en format TIFF, PDF et ASCII s'ils sont conformes aux spécifications suivantes :

Format TIFF

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Résolution : 300 ou 400 ppp
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po ou A4.

Format PDF

- Compatible avec Adobe Portable Document Format Version 1.4
- Texte non comprimé, pour faciliter la recherche
- Texte non chiffré
- Pas d'objets OLE incorporés
- Toutes les polices de caractère doivent être incorporées et leur distribution doit être autorisée.

ASCII

- Shall be encoded using IBM Code Page 437, IBM Code Page 932 or a compatible code page.

ASCII

- Le texte sera encodé à l'aide des pages de codes IBM 437 ou IBM 932 ou d'une page de codes compatible.

Industrial Design

For the purposes of subsection 3(6) of the Industrial Design Regulations, the acceptable file formats for documents submitted electronically using the relevant links set out in section 2.2 of these correspondence procedures are: TIFF, JPEG, WPD and Doc. In order to get a correspondence date, the Office will accept documents initially filed in other formats provided they are viewable with the software "Stellent Quick View Plus 8.0.0". In these cases, the Office will request the documents to be replaced by documents in one of the acceptable formats and the submission of a statement to the effect that the replacement documents are the same as the documents initially filed.

When submitting images electronically, we strongly encourage clients to comply with the following specifications:

TIFF Format:

- TIFF CCITT Group 4, single or multi-page, black and white;
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

Photographs in JPEG Format:

- JPEG compression, Gray Scale 8 bit (256 Shades of Gray);
- The dimensions of the scanned/stored images should match that of the paper requirements, namely 8 ½" by 11";
- Resolution of 300 dpi

For all images submitted in different formats, the office may print and scan the images or convert them to recommended formats prior to loading them in the database. If the office converts files to an acceptable format this could result in a change in quality to the drawings.

Dessins industriels

Aux fins des paragraphes 3(6) et 12(3) du Règlement sur les dessins industriels, les formats de fichiers acceptables pour les documents présentés par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance sont : TIFF, JPEG, WPD et DOC. Pour qu'une date de correspondance soit attribuée, le Bureau acceptera des documents initialement déposés dans d'autres formats, à condition qu'ils soient consultables à l'aide du logiciel « Stellent Quick View Plus 8.0.0 ».Dans de tels cas, le Bureau exigera le remplacement des documents par des fichiers présentés dans un des formats acceptables, ainsi qu'une déclaration indiquant que ces fichiers sont identiques aux documents déposés à l'origine.

Nous encourageons fortement les clients à respecter les spécifications suivantes lorsqu'ils déposent des images par voie électronique :

Format TIFF :

- TIFF CCITT Groupe 4, une ou plusieurs pages, noir et blanc
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Photographies en format JPEG :

- Compression JPEG, échelle de gris de 8 bits (256 tons de gris)
- Les dimensions des images balayées par scanner ou mémorisées doivent être compatibles avec celles qui sont requises pour les papiers, soit 8 1/2 po par 11 po
- Résolution : 300 ppp

Pour toutes les images soumises dans différents formats, le bureau peut imprimer et balayer les images par scanner ou les convertir dans les formats recommandés avant leur chargement dans la base de données. Si le bureau convertit les fichiers dans un format acceptable, ceci pourrait résulter en un changement de la qualité des dessins.

4. General Information

General information may be obtained by communicating with CIPO's Client Service Centre.

4. Renseignements généraux

On pourra obtenir des renseignements généraux en communiquant avec le Centre de services à la clientèle de l'OPIC.

5. Statutory Holidays

- Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts
- Time limits under the Patent and Trade-marks Act
- Time limits under the Patent Cooperation Treaty
- Provincial and Territorial Holidays
- When Patent and Trademarks Offices are closed for business

5. Jours fériés

- Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés
- Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce
- Délais prévus dans le Traité de coopération en matière de brevets
- Jours fériés provinciaux ou territoriaux
- Jours de fermeture au public des bureaux des brevets et des marques de commerce

Time limits under the Patent, Trade-marks, Industrial Design, Copyright and Integrated Circuit Topography Acts

In accordance with section 26 of the Interpretation Act, any person choosing to deliver a document to a designated establishment (including CIPO's offices in Gatineau, Quebec; an Innovation, Science and Economic Development Canada regional office or the Registered Mail™ and Xpresspost™ services of Canada Post) where a federal, provincial or territorial holiday exists, is entitled to an extension of any time limit for the filing of the document that expires on the holiday, until the next day that is not a holiday. It is to be noted, in respect of provincial and territorial holidays, that the entitlement to the extension is dependent on the establishment to which the document is delivered and not on the place of residence of the person for whom the document is filed or of their agent. For this purpose, documents transmitted to CIPO by electronic means, including by facsimile, would be considered to be delivered to CIPO's offices in Gatineau, Quebec.

CIPO has no practical way of keeping track of the establishment to which documents are delivered. Accordingly, where a person has a time limit for the filing of a document that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. In such circumstances, it will be the responsibility of the person filing the document to ensure that he or she is properly entitled to any needed extension of the time limit.

Délais prévus dans les lois sur les brevets, les marques de commerce, les dessins industriels, le droit d'auteur et les topographies de circuits intégrés

Selon l'article 26 de la Loi d'interprétation, lorsqu'une personne choisit de livrer un document à un établissement désigné (y compris les bureaux de l'OPIC à Gatineau, au Québec, un bureau régional d'Innovation, Sciences et Développement économique Canada ou le service Courrier recommandé de Postes Canada) dans une province où il y a un jour férié fédéral, provincial ou territorial, tout délai fixé pour le dépôt du document, qui expire un jour férié peut être prorogé jusqu'au jour non férié suivant. Dans le cas d'un jour férié provincial ou territorial, il convient de souligner que le droit à la prorogation dépend de l'établissement auquel le document est livré et non du lieu de résidence de la personne pour laquelle le document est déposé ou de son agent. À cet égard, les documents envoyés à l'OPIC par un moyen électronique, y compris par télécopieur, sont réputés être livrés aux bureaux de l'OPIC à Gatineau, au Québec.

En pratique, l'OPIC n'a aucun moyen de faire le suivi sur les établissements auxquels des documents sont livrés. Par conséquent, si le délai pour le dépôt d'un document tombe un jour férié provincial ou territorial et qu'une personne le livre seulement le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement qui justifierait une prorogation du délai. Dans de telles circonstances, il incombe au déposant de s'assurer qu'il a droit à une telle prorogation.

Time limits under the Patent and Trade-marks Acts

In addition to the extensions of time limits referred to above, in accordance with subsection 78(1) of the Patent Act and subsection 66(1) of the Trade-marks Act, any patent or trademark time limit that expires on a day when the Patent and Trademarks Offices are closed for business is deemed to be extended to the next day when the offices are open for business. All persons are entitled to these extensions regardless of their place of residence or of the establishment to which documents are delivered.

No equivalent provisions exist under the Industrial Design Act, the Copyright Act or the Integrated Circuit Topography Act.

Délais prévus dans la Loi sur les brevets et dans la Loi sur les marques de commerce

En plus des prorogations indiquées aux paragraphes précédents, les paragraphes 78(1) de la Loi sur les brevets et 66(1) de la Loi sur les marques de commerce stipulent que tout délai relatif aux brevets ou aux marques de commerce qui expire un jour où les bureaux des marques de commerce et des brevets sont fermés au public est réputé prorogé jusqu'au jour de réouverture de ces bureaux. Toute personne a droit à une telle prorogation quel que soit son lieu de résidence ou l'établissement auquel les documents sont livrés

Il n'existe pas de disposition équivalente dans la Loi sur les dessins industriels, la Loi sur le droit d'auteur ou dans la Loi sur les topographies de circuits intégrés.

Time limits under the Patent Cooperation Treaty

Rule 80.5 of the Regulations under the PCT provides:

If the expiration of any period during which any document or fee must reach a national Office or intergovernmental organization falls on a day:

i. on which such Office or organization is not open to the public for the purposes of the transaction of official business;

ii. on which ordinary mail is not delivered in the locality in which such Office or organization is situated;

iii. which, where such Office or organization is situated in more than one locality, is an official holiday in at least one of the localities in which such Office or organization is situated, and in circumstances where the national law applicable by that Office or organization provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day; or

iv. which, where such Office is the government authority of a Contracting State entrusted with the granting of patents, is an official holiday in part of that Contracting State, and in circumstances where the national law applicable by that Office provides, in respect of national applications, that, in such a case, such period shall expire on a subsequent day;

the period shall expire on the next subsequent day on which none of the said four circumstances exists.

CIPO takes the position that section 26 of the Interpretation Act applies to PCT international applications filed in Canada. Accordingly, where a person has a time limit under the PCT for

Délais prévus dans le Traité de coopération en matière de brevets

La règle 80.5 du Règlement d'exécution du PCT prévoit ce qui suit :

Si un délai quelconque pendant lequel un document ou une taxe doit parvenir à un office national ou à une organisation intergouvernementale expire un jour

i. où cet office ou cette organisation n'est pas ouvert au public pour traiter d'affaires officielles;

ii. où le courrier ordinaire n'est pas délivré dans la localité où cet office ou cette organisation est situé;

iii. qui, lorsque cet office ou cette organisation est situé dans plus d'une localité, est un jour férié dans au moins une des localités dans lesquelles cet office ou cette organisation est situé, et dans le cas où la législation nationale applicable par cet office ou cette organisation prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant; ou

iv. qui, lorsque cet office est l'administration gouvernementale d'un État contractant chargée de délivrer des brevets, est un jour férié dans une partie de cet État contractant, et dans le cas où la législation nationale applicable par cet office prévoit, à l'égard des demandes nationales, que, dans cette situation, ce délai prend fin le jour suivant;

Le délai prend fin le premier jour suivant auquel aucune de ces quatre circonstances n'existe plus.

L'OPIC estime que l'article 26 de la Loi d'interprétation s'applique aux demandes internationales du PCT déposées au Canada. Par conséquent, lorsqu'un délai prévu dans le cadre du

the filing of a document in Canada that expires on a provincial or territorial holiday but only delivers the document on the next day that is not a holiday, CIPO will assume that the document was delivered to an establishment that would justify an extension of the time limit. CIPO, however, takes no position as to whether such extensions would be recognized by other countries, and it will be the responsibility of the person filing the document to ensure that in other countries of interest they are properly entitled to any needed extension of the time limit by reason of Rule 80.5 of the Regulations under the PCT or some other applicable law.

PCT pour le dépôt d'un document au Canada expire un jour férié provincial ou territorial, si le déposant livre le document en question le jour non férié suivant, l'OPIC tiendra pour acquis que le document a été livré à un établissement où une prorogation du délai est justifiée. Toutefois, il ne se prononce pas sur l'acceptation éventuelle de ces prorogations par d'autres pays; il incombera à la personne qui dépose le document de vérifier si elle a droit à une prorogation, dans d'autres pays qui l'intéressent, en vertu de la règle 80.5 du Règlement d'exécution du PCT ou d'une autre loi pertinente.

Provincial and Territorial Holidays

For the purposes of this practice notice, CIPO has identified the following as being days that are not federal holidays but that are holidays in one or more provinces or territories:

1. **Alberta**: Third Monday in February (Alberta Family Day)
2. **British Columbia**:
   - First Monday in August (British Columbia Day)
   - Second Monday in February (British Columbia Family Day)
3. **New Brunswick**: First Monday in August (New Brunswick Day)
4. **Newfoundland and Labrador**:
   - March 17 (St. Patrick's Day)
   - April 23 (St. George's Day)
   - June 24 (Discovery Day)
   - July 12 (Orangemen's Day)
   - First Monday in August (Regatta Day)
5. **Nova Scotia**: First Monday in August (Civic Holiday)
6. **Ontario**:
   - Third Monday in February (Ontario Family Day)
   - First Monday in August (Civic Holiday)
7. **Prince Edward Island**: First Monday In August (Civic Holiday)
8. **Quebec**: June 24 (St. John the Baptist Day)
9. **Saskatchewan**: First Monday in August (Saskatchewan Day)
10. **Yukon**: Third Monday in August (Discovery Day)

Jours fériés provinciaux ou territoriaux

Aux fins du présent avis, l'OPIC a indiqué que les jours ci-après, qui ne sont pas des jours fériés pour l'administration fédérale, sont des jours fériés dans au moins une province ou territoire :

1. **Alberta** : troisième lundi de février (Jour de la Famille de l'Alberta)
2. **Colombie-Britannique** :
   - premier lundi d'août (Fête de la Colombie-Britannique)
   - euxième lundi de février (Jour de Famille de la Colombe –Britannique)
3. **Nouveau-Brunswick** : premier lundi d'août (Fête du Nouveau-Brunswick)
4. **Terre-Neuve et Labrador** :
   - 17 mars (Fête de la Saint-Patrick)
   - 23 avril (Fête de la Saint-Georges)
   - 24 juin (Journée de la Découverte)
   - 12 juillet (Jour des Orangistes)
   - Premier lundi d'août (Journée de la Régate)
5. **Nouvelle-Écosse** : premier lundi d'août (congé statutaire)
6. **Ontario** :
   - troisième lundi de février (Jour de la Famille de l'Ontario)
   - premier lundi d'août (congé statutaire)
7. **L'Île-du-Prince-Edouard** : premier lundi d'août (congé civique)
8. **Québec** : 24 juin (Saint-Jean-Baptiste)
9. **Saskatchewan** : premier lundi d'août (Fête de la Saskatchewan)
10. **Yukon** : troisième lundi d'août (Journée de la Découverte)

When CIPO's Offices are closed for business

For the purposes of subsection 78(1) of the Patent Act and subsection 66(2) of the Trade-marks Act, CIPO's Offices are closed for business on the following days:

Jours de fermeture des bureaux de l'OPIC au public

Pour l'application des paragraphes 78(1) de la Loi sur les brevets et 66(2) de la Loi sur les marques de commerce, les bureaux de l'OPIC sont fermés au public les jours suivants :

- All Saturdays and Sundays
- New Year's Day (January 1)*
- Good Friday
- Easter Monday
- Victoria Day: First Monday immediately preceding May 25
- St. John the Baptist Day (June 24)*
- Canada Day (July 1)*
- Labour Day: First Monday in September
- Thanksgiving Day: Second Monday in October
- Remembrance Day (November 11)*
- Christmas Day (December 25)*
- Boxing Day (December 26)

If December 26 falls on a Saturday, CIPO's Offices will be closed on the following Monday. If December 26 falls on a Sunday or Monday, the Offices are closed on the following Tuesday.

* If any of these holidays fall on a Saturday or Sunday, the Offices will be closed on the following Monday.

- Tous les samedi et dimanche
- Jour de l'An (1er janvier)*
- Vendredi Saint
- Lundi de Pâques
- Fête de Victoria : premier lundi précédant le 25 mai
- Saint-Jean-Baptiste (le 24 juin)*
- Fête du Canada (1er juillet)*
- Fête du travail : premier lundi de septembre
- Jour de l'Action de grâces : deuxième lundi d'octobre
- Jour du souvenir (11 novembre)*
- Jour de Noël (25 décembre)*
- L'après-Noël (26 décembre)

Si le 26 décembre est un samedi, les bureaux de l'OPIC seront fermés le lundi suivant. S'il coïncide avec un dimanche ou un lundi, les bureaux le seront le mardi d'après.

* Si l'un ou l'autre de ces jours fériés est un samedi ou un dimanche, les bureaux des brevets et marques de commerce seront fermés le lundi suivant.

6. Procedures in case of an unexpected office closure at CIPO

In case of an **emergency**, CIPO will attempt to remain open for business and ensure that essential service to our clients continues with the least possible disruption or delay.

In view of the **date-sensitive nature** of intellectual property (IP), clients are advised to address important deadlines ahead of time to minimize the risk of affecting their IP rights. For the purposes of such deadlines, unless otherwise notified, clients should assume that all due dates remain in effect.

Whenever CIPO is closed for business, including closures due to extraordinary circumstances, CIPO considers **all time limits to be extended until the next day that it is open for business**. In such situations, mail delivered to CIPO or to the designated regional offices will be considered to be received on the date that CIPO re-opens for business, with the exception of correspondence addressed to the Registrar of Topographies.

There may also be instances in which the designated regional offices may be temporarily closed, yet CIPO remains open for business. In such situations, it remains the responsibility of CIPO's clients to ensure that all deadlines are respected.

Clients are **strongly encouraged** to send date-sensitive material through Canada Post by Registered Mail™ or Xpresspost™ or electronically using the relevant links set out in section 2.2 of these correspondance procedures. Documents may continue to be faxed to CIPO at 819-953-CIPO (953-2476); however date-sensitive material requiring fee payment that is sent by fax must be accompanied by a VISA, MasterCard, or American Express credit card number, or CIPO

6. Procédures en cas de fermeture des bureaux

Dans une **situation d'urgence**, l'OPIC s'efforcera de demeurer ouvert au public et d'assurer un service essentiel à ses clients, et ce, avec le moins d'interruption ou de retard possible.

Étant donné **l'importance que revêtent les délais** en matière de propriété intellectuelle (PI), il est recommandé aux clients de minimiser les risques pouvant nuire à leurs droits en matière de PI en tenant compte à l'avance des dates limites importantes. En ce qui a trait aux délais prescrits, les clients doivent respecter toutes les dates d'échéance, à moins d'avis contraire.

Dans les cas où l'OPIC est fermé au public, y compris pour des raisons exceptionnelles, **les dates limites seront réputées être reportées au prochain jour où l'OPIC sera ouvert au public**. Le cas échéant, sauf pour la correspondance adressée au registraire des topographies, le courrier livré à l'OPIC ou aux bureaux régionaux désignés sera réputé avoir été reçu le jour où l'OPIC rouvre au public.

Il pourrait y avoir des cas où les bureaux régionaux seraient fermés temporairement, mais où l'OPIC resterait ouvert au public. Le cas échéant, les clients de l'OPIC demeurent responsables du respect de tous les échéanciers.

Les clients sont **fortement encouragés** à faire parvenir les documents assujettis à des délais précis par Postes Canada par Courrier recommandé^MC^, par Xpresspost^MC^ ou par voie électronique en utilisant les liens spécifiés à l'article 2.2 de ces procédures de correspondance. Il est toujours possible de télécopier des documents à l'OPIC en composant le 819-953-OPIC (953-6742). Cependant, les documents assujettis à des délais pour lesquels des frais sont exigés, envoyés par

deposit account number.

télécopieur, doivent être accompagnés d'un numéro de carte VISA, Mastercard ou American Express ou d'un numéro de compte de dépôt à l'OPIC.

When possible during an emergency, information and search systems will continue to be available on our website; however, services provided through the Client Service Centre and other support areas within CIPO may be temporarily unavailable. Should an emergency occur, CIPO will post information on our service interruptions as they become available and as circumstances permit.

En cas d'urgence, les systèmes d'information et de recherche seront, dans la mesure du possible, accessibles à partir de notre site Web; toutefois, les services fournis par le Centre de services à la clientèle et les autres services de soutien de l'OPIC pourraient temporairement ne pas être offerts. En cas d'urgence, l'OPIC affichera les renseignements nécessaires sur notre page d'interruptions des services lorsque ceux-ci seront disponibles et si les circonstances le permettent.

7. Procedures when CIPO is open for business but clients are unable to communicate with the Office

7. Procédures à suivre lorsque les clients sont incapables de communiquer avec les bureaux de l'Office de la propriété intellectuelle du Canada durant les heures d'ouverture

Patents, Industrial Design, Copyright and Integrated Circuit Topography

The legislative framework in relation with the abovementioned types of intellectual property does not provide CIPO with the flexibility to extend deadlines when it is open for business but clients are unable to communicate with the Office.

In these situations it remains the responsibility of clients to ensure that all deadlines are respected.

Brevets, dessins industriels, droit d'auteur et topographies de circuits intégrés

Le cadre législatif relié aux types de propriété intellectuelle mentionnés ci-haut ne permet pas à l'OPIC d'avoir la flexibilité de proroger les délais lors d'une journée ouvrable pendant laquelle les clients sont dans l'impossibilité de communiquer avec le bureau.

Dans une telle situation, les clients demeurent tenus de veiller à ce que les échéances soient respectées.

Trademarks

The Trade-marks Act and Regulations does allow clients to request a retroactive extension of time when a due date has been missed due to a force majeure type situation. For a retroactive extension of time to be granted, the Registrar of Trade-marks must be satisfied that the failure to do the act or apply for an extension of time before the original due date was not reasonably avoidable. A prescribed fee of $125 may be required in certain cases.

CIPO notes that Bill C-59 – Budget Implementation Act 2015, which received royal assent on June 23, 2015, contains provisions for extensions of time in Force Majeure-type situations (such as catastrophic events). CIPO has commenced work on regulatory amendments to the Patent Rules, Trade-Marks Regulations and the Industrial Design Regulations to bring Bill C-59 into force.

Marques de commerce

La Loi sur les marques de commerce et le Règlement sur les marques de commerce permettent aux clients de demander une prorogation rétroactive lorsqu'un délai n'a pas été respecté en raison d'une situation de force majeure. Pour qu'une prorogation rétroactive soit accordée, le registraire des marques de commerce doit être convaincu que l'omission d'accomplir l'acte ou de demander la prorogation avant la date initiale d'échéance n'était pas raisonnablement évitable. Un droit prescrit de 125 $ peut être exigé dans certains cas.

L'OPIC souligne que le projet de loi C-59 – Loi d'exécution du budget 2015, qui a reçu la sanction royale le 23 juin 2015, renferme des dispositions permettant la prorogation de délais dans des cas de force majeure (événements catastrophiques par exemple). L'OPIC a entamé des travaux visant à apporter des modifications réglementaires aux Règles sur les brevets, au Règlement sur les marques de commerce et au Règlement sur les dessins industriels afin de mettre le projet de loi C-59 en vigueur.

8. Intellectual property acts, rules and regulations

- Copyright Act
- Copyright Regulations
- Industrial Design Act
- Industrial Design Regulations
- Integrated Circuit Topography Act
- Integrated Circuit Topography Regulations
- Interpretation Act
- Patent Act
- Patent Rules
- Regulations under the PCT
- Trade-marks Regulations

8. Lois, règles et règlements sur la propriété intellectuelle

- Loi sur le droit d'auteur
- Règlement sur le droit d'auteur
- Loi sur les dessins industriels
- Règlement sur les dessins industriels
- Loi sur les topographies de circuits intégrés
- Règlement sur les topographies de circuits intégrés
- Loi d'interprétation
- Loi sur les brevets
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- Règlement d'exécution du PCT
- Règlement sur les marques de commerce

15. Canadian Applications Open to Public Inspection

The *Canadian Patent Office Record* of July 10, 2018 contains applications open to public inspection from June 24, 2018 to June 30, 2018.

15. Demandes canadiennes mises à la disponibilité du public

La *Gazette du bureau des brevets* du 10 juillet 2018 contient les demandes disponibles au public pour consultation pour la période du 24 juin 2018 au 30 juin 2018.

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[54] **ASSEMBLAGE D'ACIDES NUCLEIQUES DE GRANDE TAILLE**
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[54] **SYSTEMS AND METHODS FOR IDENTIFYING A RELATIONSHIP BETWEEN MULTIPLE INTERRELATED APPLICATIONS IN A MAINFRAME ENVIRONMENT**
[54] **METHODES ET SYSTEMES D'IDENTIFICATION D'UNE RELATION ENTRE APPLICATIONS MULTIPLES INTERRELIEES DANS UN ORDINATEUR CENTRAL**
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[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
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[54] **METHOD FOR MAKING ANTIBODY FC-HETERODIMERIC MOLECULES USING ELECTROSTATIC STEERING EFFECTS**
[54] **METHODE DE FABRICATION DE MOLECULES HETERODIMERES FC D'ANTICORPS UTILISANT LES EFFETS DE CONDUITE ELECTROSTATIQUE**
[72] KANNAN, GUNASEKARAN, US
[72] WITTEKIND, MICHAEL, US
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[54] **COMPOSITION PESTICIDE COMPRENANT UN DERIVE DE TETRAZOLYLOXIME ET UNE SUBSTANCE ACTIVE FONGICIDE OU INSECTICIDE**
[72] COQUERON, PIERRE-YVES, FR
[72] GROSJEAN-COURNOYER, MARIE-CLAIRE, FR
[72] HUTIN, PIERRE, FR
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[54] **STEM CELL GROWTH MEDIA AND METHODS OF MAKING AND USING SAME**
[54] **MILIEUX DE CULTURE DE CELLULES SOUCHES ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] NISTOR, GABRIEL, US
[73] CALADRIUS BIOSCIENCES, INC., US
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[54] **ELECTRODE FLEXIBLE ET POREUSE A GRANDE SUPERFICIE POUR CHAUFFAGE**
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[54] **POWER CHARGING DEVICE WITH CHARGE SATURATION DISCONNECTOR THROUGH ELECTROMAGNETIC FORCE RELEASE**
[54] **CHARGEUR D'ALIMENTATION AVEC DECONNECTEUR DE CHARGE A SATURATION PAR LIBERATION DE FORCE ELECTROMAGNETIQUE**
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[54] **APPLICATEUR CONCU POUR UN DISPOSITIF AUTO-EXTENSIBLE ET INTRAVAGINAL INDIQUE POUR L'INCONTINENCE URINAIRE**
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[72] HULL, RAYMOND J., JR., US
[72] TROJANOWSKI, ALAN, US
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[54] **ROTOR A AIMANTS PERMANENT ET MOTEUR UTILISANT CEUX-CI**
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[73] ZHONGSHAN BROAD-OCEAN MOTOR MANUFACTURING CO., LTD., CN
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[54] **CONNECTEUR ELECTRIQUE COMPORTANT DES CONTACTS ELECTRIQUES A FAIBLES CONTRAINTES ET A LONGUEUR REDUITE**
[72] ABUGHAZALEH, SHADI A., US
[72] DUPUIS, JOSEPH E., US
[72] GRIBBLE, CHRISTOPHER W., US
[72] KHAN, NAVED S., US
[72] O'CONNOR, DOUGLAS P., US
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[72] PAGGIOS, KONSTANTINOS, DE
[72] THIELE, MARTIN, DE
[72] RIEDEL, UWE, DE
[73] KRAFT FOODS R & D, INC., US
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[54] **MATERIEL DE PULVERISATION, REVETEMENT PAR PULVERISATION THERMIQUE ET CYLINDRE MUNI D'UN TEL REVETEMENT**
[72] BARBEZAT, GERARD, CH
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[54] **FOURNITURE D'UN CONTENU MULTIDIFFUSION PAR PROTOCOLE INTERNET**
[72] FIELD, BRIAN E., US
[73] COMCAST CABLE COMMUNICATIONS, LLC, US
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[54] **METHODS AND APPARATUSES FOR COMFORT/SUPPORT ANALYSIS OF A SLEEP SUPPORT MEMBER**
[54] **PROCEDES ET APPAREILS D'ANALYSE DU CONFORT/SUPPORT D'UN ELEMENT DE SUPPORT DE COUCHAGE**
[72] SCHMOELLER, JOE W., US
[72] SCOTT, DAVID B., US
[72] OEXMAN, ROBERT D., US
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[25] EN
[54] **ELECTRONICALLY CONTROLLED CONTINUOUSLY VARIABLE TRANSMISSION WITH AXIALLY MOVABLE TORQUE TRANSMITTING MECHANISM**
[54] **TRANSMISSION VARIABLE EN CONTINU A COMMANDE ELECTRONIQUE AVEC MECANISME DE TRANSMISSION DE COUPLE A DEPLACEMENT AXIAL**
[72] ROBERGE, HUBERT, CA
[72] BRIND'AMOUR, FRANCOIS, CA
[72] THIEBAULT, LIONEL, CA
[73] CVTECH INC., CA
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[54] **CALORIMETER AND METHODS OF USING IT AND CONTROL SYSTEMS THEREFOR**
[54] **CALORIMETRE ET PROCEDES D'UTILISATION ET SYSTEMES DE COMMANDE Y AFFERANT**
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[72] ZHURAVLEV, EVGENY, DE
[73] PERKINELMER HEALTH SCIENCES, INC., US
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[54] **FITTING ASSEMBLY EVALUATING APPARATUS AND METHODS**
[54] **APPAREIL ET PROCEDES D'EVALUATION D'UN ASSEMBLAGE AJUSTE**
[72] WILLIAMS, PETER C., US
[72] RAYLE, JEFFREY S., US
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[72] MALEC, KENNAN JOSEPH, US
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[73] SWAGELOK COMPANY, US
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[54] **DISPOSITIF DE TYPE DEL A LIMITATION DE TENSION ETA POLARITE INVERSEE**
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[54] **DIRECT HYDRO-LIQUIFACTION PROCESS FOR A BIOMASS INCLUDING TWO HYDRO-CONVERSION STEPS IN A BUBBLING BED**
[54] **PROCEDE D'HYDROLIQUEFACTION DIRECTE DE BIOMASSE COMPRENANT DEUX ETAPES D'HYDROCONVERSION EN LIT BOUILLONNANT**
[72] QUIGNARD, ALAIN, FR
[72] WEISS, WILFRIED, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **EPITOPES ET PEPTIDES ANTI-P2X7**
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[73] BIOCEPTRE (AUST) PTY LTD, AU
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[54] **APPARATUS AND METHOD FOR CARDIAC TISSUE MODULATION BY TOPICAL APPLICATION OF VACUUM TO MINIMIZE CELL DEATH AND DAMAGE**
[54] **APPAREIL ET PROCEDE POUR LA MODULATION DU TISSU CARDIAQUE PAR APPLICATION TOPIQUE DE VIDE AFIN DE REDUIRE AU MINIMUM LA MORT ET LES DOMMAGES CELLULAIRES**
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[72] CARROLL, DAVID L., US
[72] LEVI, NICOLE H., US
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[54] **CATHETER ET PROCEDE AMELIORE D'ABLATION**
[72] DESAI, JAWAHAR M., US
[73] SIRONA MEDICAL TECHNOLOGIES, INC., US
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[54] **ARCHITECTURE DE TYPE MACHINE-MACHINE**
[72] MUNGO, FABIO, IT
[72] FRANCO, ANDREA, IT
[72] PATERLINI, EMILIO, IT
[73] ACCENTURE GLOBAL SERVICES LIMITED, IE
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[54] **REGISTRATION OF AN AGENT TO PROCESS MANAGEMENT OBJECT UPDATES**
[54] **ENREGISTREMENT D'UN AGENT POUR TRAITER DES MISES A JOUR D'OBJET DE GESTION**
[72] FERRAZZINI, AXEL, CA
[72] SHENFIELD, MICHAEL, CA
[72] GODFREY, JAMES ANDREW, CA
[73] BLACKBERRY LIMITED, CA
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[54] **RECLOSABLE FASTENERS, PACKAGES HAVING RECLOSABLE FASTENERS, AND METHODS FOR CREATING RECLOSABLE FASTENERS**
[54] **FERMETURES REFERMABLES, EMBALLAGES MUNIS DE FERMETURES REFERMABLES ET PROCEDES DE FABRICATION DE FERMETURES REFERMABLES**
[72] ZERFAS, PAUL ANTHONY, US
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[72] HALKA, JOHN, US
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[72] CLINGERMAN, MICHAEL, US
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[73] Z.M.C. METAL COATING INC., CA
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[54] **PROCEDE DE PRODUCTION DE CELLULASES BASE SUR LA REGULATION DE L'OSCILLATION DE LA PRESSION EN OXYGENE DISSOUS DANS LE MILIEU DE CULTURE**
[72] BEN CHAABANE, FADHEL, FR
[72] COHEN, CELINE, FR
[73] IFP ENERGIES NOUVELLES, FR
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[54] **COMPOSITION D'HUILE LUBRIFIANTE**
[72] STRICKLAND, KEITH, GB
[72] MCTAVISH, STUART, JAMES, GB
[73] INFINEUM INTERNATIONAL LIMITED, GB
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[54] **METHOD OF DISPLAYING APPLICATIONS IN A MULTI-MONITOR COMPUTER SYSTEM AND MULTI-MONITOR COMPUTER SYSTEM EMPLOYING THE METHOD**
[54] **PROCEDE D'AFFICHAGE D'APPLICATIONS DANS UN SYSTEME D'ORDINATEUR A PLUSIEURS ECRANS, ET SYSTEME D'ORDINATEUR A PLUSIEURS ECRANS EMPLOYANT LE PROCEDE**
[72] HILL, DOUGLAS B., CA
[72] ROUNDING, MICHAEL, CA
[72] MITCHELL, DANIEL, CA
[72] MARTIN, DAVID, CA
[72] WANG, LUQING, CA
[72] FORREST, GREGORY, CA
[73] SMART TECHNOLOGIES ULC, CA
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[54] **IMPROVED REACTOR CONTINUITY**
[54] **CONTINUITE DE REACTEUR AMELIOREE**
[72] HENDERSON, LEE D., CA
[72] HOANG, PETER P., CA
[72] JOBE, IAN R., CA
[72] GAO, XIAOLIANG, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[54] **STIMULATION APPARATUS FOR THE UNDERSIDE OF THE PENIS**
[54] **APPAREIL DE STIMULATION DESTINE AU DESSOUS DU PENIS**
[72] ZAMAR, ANTONIOS CAMILLE, GB
[73] AURIS MEDICAL LIMITED, GB
[85] 2011-03-08
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[25] EN
[54] **SUPPORTED PHOSPHINIMINE-HETEROLIGAND CATALYST SYSTEMS**
[54] **SYSTEMES DE CATALYSEURS SUR SUPPORT RENFERMANT UN HETEROLIGAND PHOSPHINIMINE**
[72] HENDERSON, LEE D., CA
[72] HOANG, PETER P., CA
[72] JOBE, IAN R., CA
[72] GAO, XIAOLIANG, CA
[73] NOVA CHEMICALS CORPORATION, CA
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[54] **METHOD OF DEFROSTING A RAILWAY VEHICLE SUPPLY LINE**
[54] **PROCEDE DE DEGIVRAGE D'UNE LIGNE D'ALIMENTATION DE VEHICULES FERROVIAIRES**
[72] BELLEGARDE, NICOLAS, FR
[73] ALSTOM TRANSPORT TECHNOLOGIES, FR
[86] (2737287)
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[54] **RACLETTE DEVICE**
[54] **APPAREIL A RACLETTE**
[72] BOUVIER, PIERRE, FR
[72] PERRIER, JEAN-CHRISTOPHE, FR
[72] GOUTHIERE, CHRISTOPHE, FR
[73] SEB S.A., FR
[86] (2737957)
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[54] **PROCESSES FOR THE SYNTHESIS OF OPIATE ALKALOIDS WITH REDUCED IMPURITY FORMATION**
[54] **PROCEDES DE SYNTHESE D'ALCALOIDES OPIACES AVEC FORMATION REDUITE D'IMPURETES**
[72] ORR, BRIAN, US
[72] STEELE, MIRANDA, US
[73] SPECGX LLC, US
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[54] **PROCESS FOR EXTRACTING CARDIAC GLYCODIDES FROM PLANTS AND COMPOSITIONS COMPRISING CARDIAC GLYCOSIDES FROM NERIUM OLEANDER**
[54] **PROCEDE D'EXTRACTION DE GLYCOSIDES CARDIAQUES DES PLANTES ET COMPOSITIONS RENFERMANT DES GLYCOSIDES CARDIAQUES EXTRAITS DE NERIUM OLEANDER**
[72] SMOTHERS, DONALD, US
[73] NERIUM BIOTECHNOLOGY, INC., US
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[54] **METHOD FOR PROFILING A FLAT REVERSIBLE KEY, AND FLAT REVERSIBLE KEY, BASED ON A FLAT REVERSIBLE KEY PROFILE, WHICH IS PRODUCED ACCORDING TO THE METHOD**
[54] **METHODE DE PROFILAGE D'UNE CLE PLATE REVERSIBLE ET CLE PLATE REVERSIBLE BASEE SUR UN PROFIL DE CLE PLATE REVERSIBLE CREE SELON LADITE METHODE**
[72] PIOTROWSKI, THEO, DE
[72] REINE, MICHAEL, DE
[72] WALLBERG, THOMAS, DE
[73] C. ED. SCHULTE GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG ZYLINDERSCHLOSSFABRIK, DE
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[54] **AUTOMATED FAT TRIMMING SYSTEM**
[54] **SYSTEME AUTOMATIQUE DE COUPE DU GRAS D'UN MORCEAU DE VIANDE**
[72] BOLTE, THOMAS A., US
[72] MCKENNA, DAVID R., US
[73] CARGILL, INCORPORATED, US
[86] (2740470)
[87] (2740470)
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[25] EN
[54] **LOAD SENSING DEVICE FOR MANIPULATORS AND BALANCERS**
[54] **DETECTEUR DE CHARGE POUR MANIPULATEURS ET DISPOSITIFS D'EQUILIBRAGE**
[72] GIVENS, RAY, CA
[73] GIVENS, RAY, CA
[86] (2740482)
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[25] EN
[54] **LANDING GEAR BAY DOOR WITH ROLLER SLOT MECHANISM**
[54] **PORTE DE BAIE DE TRAIN D'ATTERRISSAGE A MECANISME RAINURE**
[72] BROOKFIELD, CHRIS, CA
[73] SAFRAN LANDING SYSTEMS CANADA INC. / SAFRAN SYSTEMES D'ATTERRISSAGE CANADA INC., CA
[85] 2011-04-29
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[25] EN
[54] **AMINOALCOHOL LIPIDOIDS AND USES THEREOF**
[54] **LIPIDOIDES AMINOALCOOL ET LEURS UTILISATIONS**
[72] MAHON, KERRY PETER, US
[72] LOVE, KEVIN THOMAS, US
[72] LEVINS, CHRISTOPHER G., US
[72] WHITEHEAD, KATHRYN ANN, US
[72] LANGER, ROBERT S., US
[72] ANDERSON, DANIEL GRIFFITH, US
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[54] **SECURITY MECHANISM FOR INCREASED PERSONAL DATA PROTECTION**
[54] **MECANISME DE SECURITE CONCU POUR AMELIORER LA PROTECTION DES RENSEIGNEMENTS PERSONNELS**
[72] STOEV, ORLIN VESSELINOV, CA
[72] CHAN, ERIC, CA
[73] BLACKBERRY LIMITED, CA
[86] (2744460)
[87] (2744460)
[22] 2011-06-23
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[54] **SELECTING FORMAT FOR CONTENT DISTRIBUTION**
[54] **SELECTION DE FORMAT POUR DISTRIBUTION DE CONTENU**
[72] YUAN, JIAN, US
[72] ZAMIR, OREN E., US
[73] GOOGLE LLC, US
[85] 2011-06-01
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[54] **PLOW**
[54] **CHASSE-NEIGE**
[72] COULOMBE, ALEXANDRE, CA
[72] ROY, NORMAND, CA
[72] PATRY, MARC-ANDRE, CA
[72] MORIN, VINCENT, CA
[72] AUBIN-MARCHAND, JEREMIE, CA
[72] BIENVENUE, ERICK, CA
[72] HAMEL, PATRICK, CA
[72] DROUIN, JEAN-PHILLIPPE, CA
[72] DEMERS, NICOLE, CA
[73] SOUCY INTERNATIONAL INC., CA
[86] (2746596)
[87] (2746596)
[22] 2011-07-15
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[54] **SYSTEM AND METHOD FOR DRY FEED GASIFIER START-UP**
[54] **SYSTEME ET PROCEDE POUR LE DEMARRAGE D'UN GAZEIFICATEUR PAR ALIMENTATION EN COMBUSTIBLE SEC**
[72] RUSSELL, STEVEN CRAIG, US
[72] ERGUT, ALI, US
[72] FERGUSON, JAMAL ABDUL, US
[73] GENERAL ELECTRIC COMPANY, US
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[25] EN
[54] **WOOD-PLASTIC COMPOSITES UTILIZING IONOMER CAPSTOCKS AND METHODS OF MANUFACTURE**
[54] **COMPOSITES DE BOIS ET DE MATIERE PLASTIQUE UTILISANT DES CAPSTOCKS D'IONOMERE ET PROCEDES DE FABRICATION**
[72] PRZYBYLINSKI, JAMES P., US
[72] MANCOSH, DOUGLAS G., US
[73] FIBER COMPOSITES, LLC, US
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[25] EN
[54] **LUBRICATING OIL MONITORING AND MAINTENANCE CAPS FOR ROLLERS OF A TRACKED VEHICLE**
[54] **CAPUCHONS DE SURVEILLANCE ET DE MAINTENANCE DU NIVEAU DE L'HUILE LUBRIFIANTE POUR LES GALETS D'UN VEHICULE CHENILLE**
[72] KILE, RONALD J., US
[73] KILE, RONALD J., US
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[54] **SYSTEMS AND METHODS FOR INSULATING A PIPE**
[54] **SYSTEMES ET PROCEDES POUR ISOLER UN TUYAU**
[72] SHUMATE, MONROE WILLIAM, US
[73] JOHNS MANVILLE, US
[86] (2748741)
[87] (2748741)
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[54] **PRO-NEUROGENIC COMPOUNDS**
[54] **COMPOSES PRO-NEUROGENIQUES**
[72] MCKNIGHT, STEVEN L., US
[72] PIEPER, ANDREW A., US
[72] READY, JOSEPH M., US
[72] DE BRABANDER, JEF, US
[73] BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM, US
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[54] **ALLIAGE RESISTANT A L'USURE**
[72] HEATH, GARY ROBERT, CH
[73] MEC HOLDING GMBH, DE
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[54] **PROCESS FOR THE PREPARATION OF (-) -DELTA 9-TETRAHYDROCANNABINOL**
[54] **PROCEDE POUR LA PREPARATION DU (-)-DELTA 9-TETRAHYDROCANNABINOL**
[72] TRAWICK, BOBBY N., US
[72] OWENS, MARK H., US
[73] PRAIRIE PLANT SYSTEMS INC., CA
[85] 2011-08-05
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[25] EN
[54] **PROTECTION DEVICE, CORRESPONDING METHOD AND COMPUTER SOFTWARE PROGRAM**
[54] **DISPOSITIF DE PROTECTION, METHODE CORRESPONDANTE ET PROGRAMME DE LOGICIEL**
[72] ROSSI, LAURENT, FR
[72] SCHANG, BERNARD, FR
[73] INGENICO GROUP, FR
[86] (2751857)
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[54] **IMMUNOLOGICAL METHOD FOR DETECTING ACTIVE JCV INFECTION**
[54] **METHODE IMMUNOLOGIQUE DE DETECTION DE L'INFECTION EVOLUTIVE A JCV**
[72] TAOUFIK, YASSINE, FR
[73] ASSISTANCE PUBLIQUE-HOPITAUX DE PARIS, FR
[73] UNIVERSITE PARIS-SUD 11, FR
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[54] **SOLUTION PHASE HOMOGENEOUS ASSAYS**
[54] **DOSAGES HOMOGENES EN PHASE SOLUTION**
[72] AKHAVAN-TAFTI, HASHEM, US
[72] BINGER, DEAN, US
[72] DE SILVA, RENUKA, US
[72] MCLERNON, TERRI, US
[72] MENDOZA, JAMES, US
[72] ODEGAARD, BRUCE, US
[72] SALVATI, MICHAEL, US
[72] SHAPIR, NIR, US
[72] XIE, WENHUA, US
[72] CHEN, YING, US
[73] BECKMAN COULTER, INC., US
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[54] **MICROFLUIDIC, ELECTROCHEMICAL DEVICES**
[54] **DISPOSITIFS ELECTROCHIMIQUES MICROFLUIDIQUES**
[72] NIE, ZHIHONG, US
[72] NIJHUIS, CHRISTIAN, US
[72] CHEN, XIN, US
[72] MARTINEZ, ANDRES W., US
[72] NAROVLYANSKY, MAX, US
[72] WHITESIDES, GEORGE M., US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
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[54] **CAPACITIVE SENSORS FOR MONITORING LOADS**
[54] **CAPTEURS CAPACITIFS POUR LE CONTROLE DES CHARGES**
[72] ERIKSEN, ODD HARALD STEEN, US
[72] SANDEN, CHRISTOPHER, US
[73] GOODRICH CORPORATION, US
[86] (2755101)
[87] (2755101)
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[54] **CRYOABLATION SYSTEM HAVING DOCKING STATION FOR CHARGING CRYOGEN CONTAINERS AND RELATED METHOD**
[54] **SYSTEME DE CRYOABLATION AYANT UNE STATION D'ACCUEIL POUR CHARGER DES CONTENANTS CRYOGENIQUES ET PROCEDE ASSOCIE**
[72] BABKIN, ALEXEI, US
[72] LITTRUP, PETER, US
[72] NYDAM, WILLIAM, US
[72] NYDAM, BARRON, US
[73] CRYOMEDIX LLC, US
[85] 2011-09-22
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[54] **METHODS, ANTIBODIES AND KITS FOR DETECTING CEREBROSPINAL FLUID IN A SAMPLE**
[54] **PROCEDES, ANTICORPS, ET NECESSAIRES POUR LA DETECTION DE LIQUIDE CEPHALORACHIDIEN DANS UN ECHANTILLON**
[72] PENTYALA, SRINIVAS N., US
[73] STONY BROOK ANAESTHESIOLOGY, U.F.P.C., US
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[54] **ASSOCIATION OF HTRA1 MUTATIONS AND FAMILIAL ISCHEMIC CEREBRAL SMALL-VESSEL DISEASE**
[54] **ASSOCIATION ENTRE DES MUTATIONS DE HTRA1 ET LA MALADIE DES PETITES ARTERES CEREBRALES ISCHEMIQUE FAMILIALE**
[72] TSUJI, SHOJI, JP
[72] ONODERA, OSAMU, JP
[73] THE UNIVERSITY OF TOKYO, JP
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[54] **TRACEABLE AND THEFT DETERRENT RECLAIMABLE PRODUCT**
[54] **PRODUIT RECUPERABLE, TRACABLE ET ANTIVOL**
[72] HOLCOMBE, CHARLES L., US
[72] BURCHFIELD, RONALD J., US
[72] GODFREY, CAROL J., US
[72] SPRUELL, STEPHEN L., US
[72] WARE, JOHN N., US
[72] EASTERWOOD, EDWARD J., US
[72] WILSON, W. STEVE, US
[72] HULLENDER, FRANK, US
[72] GLORE, CHARLES DOUGLAS, US
[73] SOUTHWIRE COMPANY, LLC, US
[85] 2011-10-28
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[54] **CLOSED-LOOP GLUCOSE AND/OR INSULIN CONTROL SYSTEM**
[54] **SYSTEME DE REGULATION DE GLUCOSE ET/OU D'INSULINE EN BOUCLE FERMEE**
[72] CANTWELL, MARTIN, US
[72] CLARK, H. BUD, US
[72] STEIL, GARRY M., US
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[72] LU, YINGCHUN, CA
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[72] HADLEY, BRENT LOUIS, US
[72] MILLER, STEPHEN PAUL, US
[72] FLOYD, JOSEPH FRANK, US
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[54] **MODULE BRULEUR POUR CUISINIERE, CUISINIERE OU PLAQUE CHAUFFANTE, ET PROCEDE DE FABRICATION**
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[73] GARRETT THERMAL SYSTEMS LIMITED, GB
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[54] **PROCEDE DE FABRICATION DE PAPIER**
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[72] ESKOLA, HEINI, FI
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[54] **PROCEDE ET SYSTEME D'ANNONCE PUBLICITAIRE ELECTRONIQUE**
[72] FEUERSTEIN, JOSHUA, US
[72] HARRIS, RICHARD, US
[72] HARTMANN, JOSHUA, US
[72] PRITCHARD, ADAM, US
[72] RAJAN, ARUN, US
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[54] **DISPOSITIF DE RETENUE DE CHARGEMENT**
[72] KANCZUZEWSKI, THOMAS E., US
[72] DOSTER, JOHN W., US
[72] TOWNSEND, JOHN E., US
[72] NAGY, DONALD J., US
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[54] **APPAREIL PROTECTEUR POUR STRUCTURES MARINES**
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[73] HOUGH, JONATHAN B., US
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[54] **SYSTEME D'AMELIORATION DE TURBINE EOLIENNE COMMANDEE PAR PRESSION**
[72] SMYTH, JAMES, IE
[72] SMYTH, PETER, IE
[72] SMYTH, DAVID, IE
[72] SMYTH, GERARD, IE
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[73] NEW WORLD ENERGY ENTERPRISES LIMITED, IE
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[54] **DISPOSITIF ET PROCEDE POUR TRAITER UN FLUIDE**
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[72] GOURLAY, TERENCE, GB
[73] BRIGHTWAKE LIMITED, GB
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[54] **INHIBITORS OF FLAVIVIRIDAE VIRUSES**
[54] **INHIBITEURS DE VIRUS FLAVIVIRIDAE**
[72] CANALES, EDA, US
[72] CHONG, LEE S., US
[72] CLARKE, MICHAEL O'NEIL HANRAHAN, US
[72] DOERFFLER, EDWARD, US
[72] LAZERWITH, SCOTT E., US
[72] LEW, WILLARD, US
[72] LIU, QI, US
[72] MERTZMAN, MICHAEL, US
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[72] NAMDAR, NADER, AT
[73] KAPSCH TRAFFICCOM AG, AT
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[54] **PROCEDE DE FABRICATION D'UN ELEMENT CONTENANT UNE FIBRE MINERALE ET ELEMENT PRODUIT PAR CE PROCEDE**
[72] ROSENBERG, GORM, DK
[72] CHRISTENSEN, KENN, DK
[73] ROCKWOOL INTERNATIONAL A/S, DK
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[54] **SONDE A CIBLE DISCRIMINANTE COMPORTANT UN OLIGONUCLEOTIDE A SPECIFICITE DOUBLE MODIFIE ET SES UTILISATIONS**
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[72] LEE, SANG KIL, KR
[73] SEEGENE, INC., KR
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[54] **AMENAGEMENT DE CHARIOT DE TRANSPORT POUR UN UTILISATEUR AYANT DES BESOINS PARTICULIERS**
[72] LONG, DREW ANN, US
[73] PARENT SOLUTION GROUP, LLC, US
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[54] **DISPOSITIF DE BIOMIMETISME EMETTANT DE LA LUMIERE**
[72] PADULA, THOMAS, US
[72] CARDONE, AUTUMN, US
[73] PADULA, THOMAS, US
[73] CARDONE, AUTUMN, US
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[54] **APPARATUS AND PROCESS FOR PACKAGING CONTAINERS OF LIQUID PRODUCTS INTO BUNDLES**
[54] **APPAREIL ET PROCEDE DE D'EMBALLAGE DE RECIPIENTS POUR PRODUITS LIQUIDES EN LOTS**
[72] GHEZZI, ALESSANDRO ANGELO, IT
[73] AETNA GROUP S.P.A., IT
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[73] WELLTEC A/S, DK
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[73] NOVAMONT S.P.A., IT
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[73] PALOX LIMITED, CY
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[54] **COMPOUNDS AND THERAPEUTIC USE THEREOF FOR PROTEIN KINASE INHIBITION**
[54] **COMPOSES ET LEUR UTILISATION THERAPEUTIQUE EN VUE DE L'INHIBITION DE LA PROTEINE KINASE**
[72] WU, ZHANGGUI, US
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[54] **PROCEDES DE PREPARATION DE CELLULES SOUCHES MESENCHYMATEUSES, COMPOSITIONS ET NECESSAIRES ASSOCIES**
[72] PAL, RAKHI, IN
[72] GUPTA, PAWAN KUMAR, IN
[72] KEMBURU, PRASANNA KUMAR, IN
[72] PRASANNA, JYOTHI, IN
[72] TOTEY, SATISH, IN
[72] SEETHARAM, RAVIRAJA NEELAVAR, IN
[72] GOLITHADKA, UMESH BAIKUNJE, IN
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[72] SCHILKE, ALAN, US
[72] BACHTAR, DODY, US
[73] ROCKY MOUNTAIN COASTERS, INC., US
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[54] **SYSTEME ET PROCEDE POUR AUGMENTER LA PRECISION DE LA RECONNAISSANCE OPTIQUE DE CARACTERES (ROC)**
[72] URBSCHAT, HARRY, DE
[72] MEIER, RALPH, DE
[72] WANSCHURA, THORSTEN, DE
[72] HAUSMANN, JOHANNES, FR
[73] KOFAX INTERNATIONAL SWITZERLAND SARL, CH
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[72] DAVIS, LANCE STEPHEN, GB
[72] SCOTT, EDWARD DOCHERTY, GB
[72] PRESSLIE, MARK WILSON, GB
[73] DEEP CASING TOOLS LIMITED, GB
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[72] BUCKRIDGE, KENNETH A., US
[72] SANTHANAM, UMA, US
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[72] HWANG, CHENG S., US
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[54] **PROCEDE ET APPAREIL POUR CONDENSER DES VAPEURS METALLIQUES ET AUTRES**
[72] FREDERIKSEN, JENS SONDERBERG, DK
[72] SAXBY, PETER, LU
[72] BOULLE, JEAN-RAYMOND, LU
[72] ODLE, ROBERT R., US
[73] BOULLE CARBOTHERMIC METALS LTD, VG
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[72] YUAN, SAM, US
[73] CERTAINTEED CORPORATION, US
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[54] **UTILISATION DE CIRES DANS UNE COMPOSITION BITUME/POLYMERE RETICULEE POUR AMELIORER SA RESISTANCE AUX AGRESSIONS CHIMIQUES ET COMPOSITION BITUME/POLYMERE RETICULEE COMPRENANT LESDITES CIRES**
[72] HARDERS, SYLVIA, FR
[72] CHAMINAND, JULIEN, FR
[73] TOTAL MARKETING SERVICES, FR
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[54] **COMPOSES 2-AMINOINDOLES ET METHODES DE TRAITEMENT DE LA MALARIA**
[72] MAZITSCHEK, RALPH, US
[72] CLARDY, JON, C., US
[72] WIRTH, DYANN, US
[72] WIEGAND, ROGER, US
[72] URGAONKAR, SAMEER, US
[72] CORTESE, JOSEPH, US
[72] CELATKA, CASSANDRA, US
[72] XIANG, YIBIN, US
[72] SKERLJ, RENATO, US
[72] BANIECKI, MARY LYNN, US
[72] BOURQUE, ELYSE M. J., US
[73] GENZYME CORPORATION, US
[73] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[73] MASSACHUSETTS INSTITUTE OF TECHNOLOGY, US
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[54] **SYSTEME ET PROCEDE D'ORGANISATION D'UN TRANSPORT ENTRE DES PARTIES AU MOYEN DE DISPOSITIFS MOBILES SYSTEM AND METHOD FOR ARRANGING TRANSPORT AMONGST PARTIES THROUGH USE OF MOBILEDEVICES**
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[73] UBER TECHNOLOGIES, INC., US
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[72] VERRAT-DEBAILLEUL, ADELE, FR
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[72] ARSLAN, TUGHRUL SATI, GB
[72] SEVAK, ZANKAR UPENDRAKUMAR, GB
[72] ALSEHLY, FIRAS, GB
[73] SENSEWHERE LIMITED, GB
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[54] **DISPOSITIF D'ANCRAGE, IMPLANT INTERVERTEBRAL ET INSTRUMENT D'IMPLANTATION**
[72] DINVILLE, HERVE, FR
[72] LEQUETTE, SAMUEL, FR
[72] DELHAYE, MANUEL, FR
[72] PARENT, HENRY FRANCOIS, FR
[72] FALINE, ALEXIS, FR
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[54] **COMPOSITIONS DE PEROXYDE D'HYDROGENE ET FORMULATIONS NETTOYANTES PREPAREES A PARTIR DE CELLES-CI**
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[72] BEN-ARI, YEHEZKEL, FR
[72] LEMONNIER, ERIC, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[73] UNIVERSITE D'AIX-MARSEILLE, FR
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[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DES DECHETS PAR INJECTION DANS UN PLASMA IMMERGE**
[72] LEMONT, FLORENT, FR
[72] LAFON, CHRISTOPHE, FR
[72] BARONNET, JEAN-MARIE, FR
[72] BOUDESOCQUE, NICOLAS, FR
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[54] **AMELIORATIONS APPORTEES A DES OUTILS ET RELATIVES A CES DERNIERS**
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[54] **PROCEDE DE PRODUCTION D'HOMO- OU DE COPOLYMERES D'ISOBUTENE HAUTEMENT REACTIFS**
[72] KOENIG, HANNAH MARIA, DE
[72] MUHLBACH, KLAUS, DE
[72] KIEFER, MATTHIAS, DE
[72] KOSTJUK, SERGEI V., BY
[72] VASILENKO, IRINA, BY
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[54] **SYSTEME DE BOISSON AU CAFE COMPRENANT UNE PREMIERE ET UNE DEUXIEME CARTOUCHES D'EMBALLAGE DE GRAINS DE CAFE**
[72] DE GRAAFF, GERBRAND KRISTIAAN, NL
[72] VAN OS, IVO, NL
[72] MOORMAN, CHRISTIAAN JOHANNES MARIA, NL
[72] KNITEL, JOSEPH THEODOOR, NL
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[72] BENNETT, CARL W., US
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[54] **APPAREIL DE CONDITIONNEMENT D'AIR ASSURANT UNE REGULATION EFFICACE DE LA TEMPERATURE DE L'AIR D'ALIMENTATION**
[72] BURG, CRAIG MICHAEL, US
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[73] DESERT AIRE CORP., US
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[54] **CONFIGURATION DE SONDES A CHAMP ELECTROMAGNETIQUE POUR L'ELECTROMODULATION DE CANAUX IONIQUES DE CELLULES ET PROCEDES D'UTILISATION CORRESPONDANTS**
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[73] EMC2 HOLDING LLC, KN
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[72] ANDERSON, TIMOTHY, US
[72] KARLIK, DANIEL J., US
[72] BIGORRA LLOSAS, JOAQUIN, ES
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[72] TOUYERAS, ARMEL, FR
[73] SNECMA, FR
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[54] **APPAREIL A SIFFLET DEVIATEUR POUR CIMENTATION ET PROCEDES**
[72] ERVIN, DAVID L., US
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[72] GREGUREK, PHILIP M., US
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[25] EN
[54] **CERAMIC SHAPED ABRASIVE PARTICLES, METHODS OF MAKING THE SAME, AND ABRASIVE ARTICLES CONTAINING THE SAME**
[54] **PARTICULES CERAMIQUES ABRASIVES CONFORMEES, PROCEDES DE FABRICATION ASSOCIES ET ARTICLES ABRASIFS CONTENANT CES PARTICULES**
[72] SCHWABEL, MARK G., US
[72] GIVOT, MAIKEN, US
[72] ADEFRIS, NEGUS B., US
[73] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **UTILISATION DE GOMME XANTHANE EN TANT QUE LIANT D'ANODE**
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[72] ABU-LEBDEH, YASER, CA
[73] NATIONAL RESEARCH COUNCIL OF CANADA, CA
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[54] **NOUVEAU DERIVE D'AMIDE ET EMPLOI DUDIT DERIVE AU TITRE DE MEDICAMENT**
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[72] ENDOH, JUN-ICHI, JP
[72] TARAO, AKIKO, JP
[72] TASHIRO, KAORU, JP
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[54] **REGULATEUR-ONDULEUR, SA METHODE DE FONCTIONNEMENT ET UNE TROUSSE D'INSTALLATION SUR PLACE L'INTEGRANT**
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[72] PEREZ, ERIC M., US
[72] JEWELL, TERRY D., US
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[54] **DISPOSITIFS ET PROCEDES POUR REDUIRE LA TRAINEE D'UN VEHICULE**
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[73] SMITH & NEPHEW ORTHOPAEDICS AG, CH
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[54] **ANTIFUNGAL 5,6-DIHYDRO-4-[(DIFLUOROETHYL)PHENYL]-4H-PYRROLO[1,2-A][1,4]BENZODIAZEPINE AND 4-(DIFLUOROETHYL)PHENYL-6H-PYRROLO[1,2-A][1,4]BENZODIAZEPINE DERIVATIVES**
[54] **5,6-DIHYDRO-4-[(DIFLUOROETHYL)PHENYL]-4H-PYRROLO[1,2-A][1,4]BENZODIAZEPINE ANTIFONGIQUE ET DERIVES DE 4-(DIFLUOROETHYL)PHENYL-6H-PYRROLO[1,2-A][1,4]BENZODIAZEPINE**
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[72] DE WIT, KELLY, BE
[73] JANSSEN PHARMACEUTICA NV, BE
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[54] **METHOD AND DEVICE FOR THE HYDROLYSIS OF ORGANIC SUBSTRATES**
[54] **METHODE ET DISPOSITIF D'HYDROLYSE DES SUBSTRATS ORGANIQUES**
[72] DAUSER, HERMANN, AT
[73] BIOGAS SYSTEMS GMBH, AT
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[72] CAHEN, ANTOINE, CH
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[73] NESTEC S.A., CH
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[54] **APPLICATEUR DE THERAPIE ULTRASONORE**
[72] BRONSKILL, MICHAEL, CA
[72] CHOPRA, RAJIV, CA
[72] DONALDSON, SEAN, CA
[72] MAHON, CAMERON, CA
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[54] **PROCEDE POUR RENFORCER L'ETAT DE SANTE D'UNE PLANTE**
[72] TAVARES-RODRIGUES, MARCO-ANTONIO, BR
[72] DE GERONI JUNIOR, ADEMAR, DE
[72] BATISTELA, MARCELO, BR
[72] LEDUC, EDUARDO DE LIMA, BR
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[54] **PROTEINES DE FUSION ANTICANCER HTRAIL/EFFECTEUR PREAPOPTOTIQUE**
[72] PIECZYKOLAN, JERZY SZCZEPAN, PL
[72] PAWLAK, SEBASTIAN DOMINIK, PL
[72] ZEREK, BARTLOMIEJ MACIEJ, PL
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[54] **AGENT DE SCELLEMENT TISSULAIRE, A UN SEUL COMPOSANT, POUVANT DURCIR A L'HUMIDITE**
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[73] COHERA MEDICAL, INC., US
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[54] **ACETYL-CARNITINE UTILISEE DANS UN PROCEDE PERMETTANT D'ACCROITRE LA NEUROGENESE DANS LE TISSU NEURONAL**
[72] GRILLI, MARIAGRAZIA, IT
[72] CANONICO, PIER LUIGI, IT
[72] KOVERECH, ALEARDO, IT
[73] ALFASIGMA S.P.A., IT
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[72] KNAUS, DARIN A., US
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[54] **PRODUITS A BASE DE FIBRES CONTENANT DES ADDITIFS DE REGULATION DE LA TEMPERATURE**
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[72] APPLEY, CHARLES, US
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[54] **METHODE D'EVACUATION DE CONTAMINANT DANS LA PRODUCTION DU PAPIER**
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[73] IMERYS TALC AMERICA, INC., US
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[54] **PROCEDE DESTINE A PRODUIRE UNE PHOTO NUMERIQUE, CERTAINS AU MOINS DES PIXELS COMPRENANT DES INFORMATIONS DE POSITION, ET PHOTO NUMERIQUE ASSOCIEE**
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[72] VAN DEN HEUVEL, FRANCISCUS, NL
[73] CYCLOMEDIA TECHNOLOGY B.V., NL
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[54] **OUTIL A LAME DOTE D'UNE TIGE DE MAINTIEN DE LAME COURBEE**
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[72] LI KAIJUN, JOHN, CN
[72] TALBOT, COREY, US
[73] HYDE TOOLS, INC., US
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[54] **BALAYAGE DE PARTICULES MULTIFONCTIONNELLES**
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[72] MARINI, DAVIDE M., US
[72] STONER, ISAAC, US
[72] WINDEMUTH, ANDREAS, US
[72] ERPS, TIMOTHY, US
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[54] **GLASS PANEL INCLUDING AN INSERT HAVING A PRESSURE ELEMENT, METHOD FOR MANUFACTURING THE GLASS PANEL, AND INSERT FOR THE GLASS PANEL**
[54] **VITRAGE COMPRENANT UN INSERT A ELEMENT DE PRESSION, PROCEDE DE FABRICATION DU VITRAGE ET INSERT POUR LE VITRAGE.**
[72] GRANDGIRARD, BASTIEN, FR
[72] FROISSARD, LOIC, FR
[72] GONNET, ROMAIN, FR
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[72] FLOETER, ECKHARD, DE
[72] DE MAN, TEUNIS, NL
[72] STELLEMA, CORNELIS SJOUKE, NL
[73] UNILEVER BCS LIMITED, GB
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[54] **FILTRE A DISQUE**
[72] STRID, KENT, SE
[72] OSWALDSON, ROLF, SE
[73] KADANT BLACK CLAWSON INC., US
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[54] **COMPOSITION DE VULCANISATION AU POTENTIEL ALLERGENE REDUIT**
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[72] WONG, WEI CHEONG, MY
[72] LOW, CHII YIH, MY
[73] ALLEGIANCE CORPORATION, US
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[54] **SOUDAGE PAR RESISTANCE EN PHASE SOLIDE POUR LA REPARATION ET LA FABRICATION DE PROFIL AERODYNAMIQUE**
[72] TREWILER, GARY EDWARD, US
[72] FERRIGNO, STEPHEN JOSEPH, US
[72] WILKINS, MELVIN HOWARD, US
[72] TRAPP, TIMOTHY JOSEPH, US
[72] STEWART, MATTHEW, US
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[73] GENERAL ELECTRIC COMPANY, US
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[54] **FEUILLE MULTICOUCHES ANTIBUEE TRANSPARENTE CLAIRE**
[72] DAUM, HELWIG HEINRICH, DE
[73] KOBUSCH-SENGEWALD GMBH, DE
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[25] EN
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[54] **DISPOSITIF PERMETTANT D'ACCROITRE LA LARGEUR DE BANDE SPECTRALE D'IMPULSIONS OPTIQUES, ET AGENCEMENT ET PROCEDE PERMETTANT DE REDUIRE LA DUREE D'IMPULSIONS OPTIQUES A L'AIDE DE CE DISPOSITIF**
[72] TEMPEA, GABRIEL-FLORIN, AT
[73] FEMTOLASERS PRODUKTIONS GMBH, AT
[85] 2012-12-27
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[54] **PROCEDE DE PURIFICATION DE PROTEINES**
[72] WILD, GAVIN BARRY, GB
[73] UCB PHARMA S.A., BE
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[54] **APPARATUS FOR SENSING UTILIZING TILES, SENSOR HAVING A SET OF PLATES, OBJECT IDENTIFICATION FOR MULTI-TOUCH SURFACES, AND METHOD**
[54] **APPAREIL DE DETECTION UTILISANT DES TUILES, CAPTEUR COMPRENANT UN ENSEMBLE DE PLAQUES, IDENTIFICATION D'OBJET POUR SURFACES TACTILES MULTIPOINTS ET PROCEDE**
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[72] HAKOZAKI, TOMOHIRO, US
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[54] **METHODE ET APPAREIL POUR IDENTIFIER UN PARTICIPANT ACTIF DANS UNE CONFERENCE**
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[72] CLEMMER, JEFFREY RONALD, CA
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[54] **USE OF PACAP FOR TREATING VIRAL INFECTIONS IN AQUATIC ORGANISMS**
[54] **UTILISATION DU POLYPEPTIDE PACAP POUR LE TRAITEMENT D'INFECTIONS VIRALES DANS DES ORGANISMES AQUATIQUES**
[72] ESTRADA GARCIA, MARIO PABLO, CU
[72] LUGO GONZALEZ, JUANA MARIA, CU
[72] CARPIO GONZALEZ, YAMILA, CU
[72] TAFALLA PINEIRO, CAROLINA, ES
[73] CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA, CU
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[25] EN
[54] **COMPOSITION AND METHOD TO FLAVOR ORAL CARE COMPOSITIONS CONTAINING A CHLORINE DIOXIDE SOURCE**
[54] **COMPOSITION ET PROCEDE POUR AROMATISER DES COMPOSITIONS DE SOIN BUCCAL CONTENANT UNE SOURCE DE DIOXYDE DE CHLORE**
[72] RATCLIFF, JAMES L., US
[72] BLACK, KAREN, US
[72] COOLEY, WILLIAM E., US
[72] GARCIA, ESMERALDA ANN, US
[73] MICROPURE, INC., US
[85] 2013-06-05
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[30] US (61/426,279) 2010-12-22
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[25] EN
[54] **ASSAY MODULES HAVING ASSAY REAGENTS AND METHODS OF MAKING AND USING SAME**
[54] **MODULES D'ESSAIS A REACTIFS D'ESSAIS ET LEURS PROCEDES DE PREPARATION ET D'EMPLOI**
[72] GLEZER, ELI N., US
[72] JEFFREY-COKER, BANDELE, US
[72] DEBAD, JEFF D., US
[72] KUMAR, SUDEEP M., US
[72] SIGAL, GEORGE, US
[72] SPIELES, GISBERT, US
[72] TSIONKSY, MICHAEL, US
[72] WARNOCK, MICHAEL, US
[73] MESO SCALE TECHNOLOGIES, LLC, US
[86] (2820483)
[87] (2820483)
[22] 2006-12-21
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[25] EN
[54] **SPIRALLY WOUND MICROBIAL FUEL CELL**
[54] **PILE A COMBUSTIBLE MICROBIENNE ENROULEE EN SPIRALE**
[72] SHECHTER, RONEN ITZHAK, IL
[72] LEVY, EYTAN BARUCH, IL
[73] EMEFCY LTD., IL
[85] 2013-05-23
[86] 2010-12-14 (PCT/IL2010/001051)
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[25] EN
[54] **ELECTRODE ARRANGEMENT**
[54] **AGENCEMENT D'ELECTRODES**
[72] BECK, CHRISTOPH, DE
[72] BAR, STEFAN, DE
[73] CERBOMED GMBH, DE
[85] 2013-06-10
[86] 2011-11-25 (PCT/EP2011/005934)
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[30] DE (10 2010 054 165.6) 2010-12-12

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[25] EN
[54] **METHOD FOR PRODUCING REFINED POLYROTAXANE**
[54] **PROCEDE DE PRODUCTION DE POLYROTAXANE RAFFINE**
[72] YAMASAKI, TOMOAKI, JP
[72] OKAZAKI, SHINYA, JP
[72] OKAZAKI, HIROKI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] ZHAO, CHANGMING, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[73] ADVANCED SOFTMATERIALS INC., JP
[85] 2013-06-14
[86] 2011-12-05 (PCT/JP2011/078023)
[87] (WO2012/081432)
[30] JP (2010-280264) 2010-12-16
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[54] **METHOD FOR PRODUCING PSEUDOPOLYROTAXANE**
[54] **PROCEDE DE PRODUCTION DE PSEUDOPOLYROTAXANE**
[72] YAMASAKI, TOMOAKI, JP
[72] OKAZAKI, SHINYA, JP
[72] OKAZAKI, HIROKI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] ZHAO, CHANGMING, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[73] ADVANCED SOFTMATERIALS INC., JP
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[86] 2011-12-05 (PCT/JP2011/078015)
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[54] **METHOD FOR PRODUCING PSEUDOPOLYROTAXANE**
[54] **PROCEDE DE PRODUCTION DE PSEUDOPOLYROTAXANE**
[72] YAMASAKI, TOMOAKI, JP
[72] OKAZAKI, SHINYA, JP
[72] OKAZAKI, HIROKI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] ZHAO, CHANGMING, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[73] ADVANCED SOFTMATERIALS INC., JP
[85] 2013-06-14
[86] 2011-12-05 (PCT/JP2011/078018)
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[25] EN
[54] **METHOD FOR PRODUCING PSEUDOPOLYROTAXANE AQUEOUS DISPERSION**
[54] **PROCEDE DE PRODUCTION D'UNE DISPERSION AQUEUSE DE PSEUDOPOLYROTAXANE**
[72] YAMASAKI, TOMOAKI, JP
[72] OKAZAKI, SHINYA, JP
[72] OKAZAKI, HIROKI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] ZHAO, CHANGMING, JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[73] ADVANCED SOFTMATERIALS INC., JP
[85] 2013-06-14
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[87] (WO2012/081431)
[30] JP (2010-280264) 2010-12-16
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[25] EN
[54] **METHOD FOR PRODUCING CHEMICAL BY CONTINUOUS FERMENTATION**
[54] **PROCEDE DE PRODUCTION D'UNE SUBSTANCE CHIMIQUE PAR FERMENTATION CONTINUE**
[72] TAKEUCHI, NORIHIRO, JP
[72] CHEON, JIHOON, JP
[72] NISHIDA, MAKOTO, JP
[72] KANAMORI, SATOKO, JP
[72] KOBAYASHI, ATSUSHI, JP
[73] TORAY INDUSTRIES, INC., JP
[85] 2013-06-17
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[30] JP (2010-285365) 2010-12-22
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[25] EN
[54] **CONNECTING STRUCTURE**
[54] **STRUCTURE DE CONNEXION**
[72] LEI, WEI, CN
[73] ZHONGSHAN BROAD-OCEAN MOTOR MANUFACTURING CO., LTD, CN
[86] (2822421)
[87] (2822421)
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[51] **Int.Cl. H02J 7/34 (2006.01) H02M 3/135 (2006.01)**
[25] FR
[54] **MODULE FOR CONVERTING VOLTAGE BETWEEN A HIGH-VOLTAGE ELECTRICAL NETWORK OF AN AIRCRAFT AND AN ENERGY STORAGE ELEMENT**
[54] **MODULE DE CONVERSION DE TENSION ENTRE UN RESEAU ELECTRIQUE HAUTE TENSION D'UN AERONEF ET UN ELEMENT DE STOCKAGE D'ENERGIE**
[72] VIEILLARD, SEBASTIEN, FR
[72] BROSSON, LAURENT BERNARD, FR
[72] KARIMI, CHARIF, FR
[72] PONTRUCHER, MARC HENRI YVES, FR
[73] MESSIER-BUGATTI-DOWTY, FR
[73] SAGEM DEFENSE SECURITE, FR
[73] LABINAL POWER SYSTEMS, FR
[85] 2013-06-20
[86] 2011-12-22 (PCT/FR2011/053174)
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[51] **Int.Cl. H05B 37/02 (2006.01) H05B 33/08 (2006.01)**
[25] EN
[54] **OPTOELECTRONIC DEVICE, SYSTEM AND METHOD FOR OBTAINING AN AMBIENT LIGHT SPECTRUM AND MODIFYING AN EMITTED LIGHT**
[54] **DISPOSITIF OPTOELECTRONIQUE, SYSTEME ET PROCEDE POUR OBTENIR UN SPECTRE DE LUMIERE AMBIANTE ET POUR MODIFIER UNE LUMIERE EMISE**
[72] CARRERAS MOLINS, JOSEP MARIA, ES
[73] FUNDACIO INSTITUT DE RECERCA DE L'ENERGIA DE CATALUNYA, ES
[85] 2013-06-24
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[25] FR
[54] **METHOD FOR PRODUCING A METAL REINFORCEMENT**
[54] **PROCEDE DE REALISATION D'UN RENFORT METALLIQUE**
[72] KLEIN, GILLES CHARLES CASIMIR, FR
[72] FRANCHET, JEAN-MICHEL PATRICK MAURICE, FR
[72] LECONTE, GILBERT MICHEL MARIN, FR
[72] MAGNAUDEIX, DOMINIQUE, FR
[73] SNECMA, FR
[85] 2013-06-28
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[54] **TEN BED PRESSURE SWING ADSORPTION PROCESS OPERATING IN NORMAL AND TURNDOWN MODES**
[54] **PROCEDE D'ADSORPTION MODULEE EN PRESSION A DIX LITS FONCTIONNANT EN MODES NORMAL ET A DEBIT MOYEN**
[72] BAKSH, MOHAMED S.A., US
[72] SIMO, MARIAN, US
[73] PRAXAIR TECHNOLOGY, INC., US
[85] 2013-07-10
[86] 2012-01-04 (PCT/US2012/020197)
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[51] **Int.Cl. H01H 9/10 (2006.01) H01H 21/16 (2006.01) H01H 71/12 (2006.01)**
[25] EN
[54] **ELECTRONICALLY CONTROLLED FUSIBLE SWITCHING DISCONNECT MODULES AND DEVICES**
[54] **MODULES ET DISPOSITIFS DE DECONNEXION PAR COMMUTATION DE FUSIBLE COMMANDE ELECTRONIQUEMENT**
[72] DARR, MATTHEW RAIN, US
[72] KAMATH, HUNDI PANDURANGA, US
[73] COOPER TECHNOLOGIES COMPANY, US
[85] 2013-07-10
[86] 2012-01-06 (PCT/US2012/020433)
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[51] **Int.Cl. A61C 17/02 (2006.01)**
[25] EN
[54] **ORAL CARE DEVICES AND SYSTEMS**
[54] **DISPOSITIFS ET SYSTEMES D'HYGIENE BUCCODENTAIRE**
[72] MCDONOUGH, JUSTIN E., US
[72] FOUGERE, RICHARD J., US
[72] FUSI, ROBERT W., II, US
[73] MCNEIL-PPC, INC., US
[85] 2013-07-18
[86] 2012-01-24 (PCT/US2012/022326)
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[30] US (61/435,862) 2011-01-25
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[25] EN
[54] **IGFBP-3 DERIVATIVES AND USES THEREOF**
[54] **DERIVES DE IGFBP-3 ET UTILISATIONS DE CEUX-CI**
[72] GODEAU, JEAN-FRANCOIS, FR
[72] LE BOUC, YVES, FR
[73] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2013-07-22
[86] 2012-02-24 (PCT/EP2012/053142)
[87] (WO2012/113900)
[30] EP (11305197.3) 2011-02-24

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[51] **Int.Cl. E21B 43/24 (2006.01)**
[25] EN
[54] **A METHOD FOR PRODUCING HYDROCARBONS AND INSTALLATION FOR APPLICATION THEREOF**
[54] **PROCEDE DE PRODUCTION D'HYDROCARBURES ET INSTALLATION POUR SA MISE EN □UVRE**
[72] CORRE, BERNARD, FR
[73] TOTAL S.A., FR
[85] 2013-08-01
[86] 2012-02-23 (PCT/EP2012/053052)
[87] (WO2012/113854)
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[51] **Int.Cl. B65D 5/50 (2006.01) B65D 85/50 (2006.01)**
[25] EN
[54] **DEVICE FOR DISPLAYING FLOWER BOUQUETS OR POTTED PLANTS**
[54] **DISPOSITIF DE PRESENTATION DE BOUQUETS DE FLEURS OU DE PLANTES EN POTS**
[72] CHARRIN, PHILIPPE, FR
[73] SYRAH FINANCE, FR
[85] 2013-08-09
[86] 2012-03-09 (PCT/EP2012/054130)
[87] (WO2012/120121)
[30] LU (91796) 2011-03-09

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[51] **Int.Cl. H01J 37/12 (2006.01) H01J 49/06 (2006.01) H01J 49/34 (2006.01)**
[25] EN
[54] **ELECTROSTATIC LENSES AND SYSTEMS INCLUDING THE SAME**
[54] **LENTILLES ELECTROSTATIQUES ET SYSTEMES LES COMPRENANT**
[72] WELKIE, DAVID G., US
[73] PERKINELMER HEALTH SCIENCES, INC., US
[85] 2013-09-03
[86] 2012-03-02 (PCT/US2012/027547)
[87] (WO2012/122036)
[30] US (61/449,193) 2011-03-04

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[51] **Int.Cl. C12Q 1/6809 (2018.01) G06F 19/20 (2011.01) C12Q 1/6851 (2018.01) C12Q 1/6886 (2018.01)**
[25] EN
[54] **GENE EXPRESSION MARKERS FOR BREAST CANCER PROGNOSIS**
[54] **MARQUEURS D'EXPRESSION GENIQUE POUR LE PRONOSTIC DU CANCER DU SEIN**
[72] COBLEIGH, MELODY A., US
[72] SHAK, STEVE, US
[72] BAKER, JOFFRE B., US
[72] CRONIN, MAUREEN T., US
[73] GENOMIC HEALTH, INC., US
[86] (2829476)
[87] (2829476)
[22] 2004-01-14
[62] 2,513,117
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[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6851 (2018.01) C12Q 1/6886 (2018.01) C40B 30/04 (2006.01) G01N 33/48 (2006.01) G01N 33/574 (2006.01) G06F 19/20 (2011.01)**
[25] EN
[54] **GENE EXPRESSION MARKERS FOR BREAST CANCER PROGNOSIS**
[54] **MARQUEURS D'EXPRESSION GENIQUE POUR LE PRONOSTIC DU CANCER DU SEIN**
[72] COBLEIGH, MELODY A., US
[72] SHAK, STEVE, US
[72] BAKER, JOFFRE B., US
[72] CRONIN, MAUREEN T., US
[73] GENOMIC HEALTH, INC., US
[86] (2829477)
[87] (2829477)
[22] 2004-01-14
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[30] US (60/440,861) 2003-01-15

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[51] **Int.Cl. C08B 37/16 (2006.01) C08G 65/06 (2006.01)**
[25] EN
[54] **HYDROPHILIC MODIFIED POLYROTAXANE COMPOSITION**
[54] **COMPOSITION DE POLYROTAXANE MODIFIE HYDROPHILE**
[72] YAMASAKI, TOMOAKI, JP
[72] OKAZAKI, SHINYA, JP
[72] OKAZAKI, HIROKI, JP
[72] HAMAMOTO, SHIGEKI, JP
[72] ZHAO, CHANGMING, JP
[72] IWATA, MINORU, JP
[72] HAYASHI, YUKI, JP
[73] ADVANCED SOFTMATERIALS INC., JP
[73] SUMITOMO SEIKA CHEMICALS CO., LTD., JP
[85] 2013-09-11
[86] 2011-12-05 (PCT/JP2011/078026)
[87] (WO2012/124220)
[30] JP (2011-055503) 2011-03-14
[30] JP (2011-055504) 2011-03-14
[30] JP (2011-239400) 2011-10-31

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[25] EN
[54] **MICROBIAL SYNTHESIS OF ALDEHYDES AND CORRESPONDING ALCOHOLS**
[54] **SYNTHESE MICROBIENNE D'AEDHYDES ET ALCOOLS CORRESPONDANTS**
[72] HIGASHIDE, WENDY M., US
[72] CHO, KWANG MYUNG, US
[72] RABIZADEH, SHAHROOZ, US
[73] EASEL BIOTECHNOLOGIES, LLC, US
[85] 2013-09-13
[86] 2012-03-14 (PCT/US2012/029013)
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[30] US (61/452,519) 2011-03-14

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[13] C
[51] **Int.Cl. B60G 11/28 (2006.01) B60G 11/27 (2006.01)**
[25] EN
[54] **FLEXIBLE WALL AND COMPRESSION CORE ASSEMBLIES AS WELL AS GAS SPRING ASSEMBLIES AND METHODS INCLUDING SAME**
[54] **ENSEMBLES A PAROI FLEXIBLE ET NOYAU DE COMPRESSION ET ENSEMBLES A RESSORT A GAZ ET PROCEDES COMPORTANT CEUX-CI**
[72] JACKSON, DAVID D., JR., US
[73] FIRESTONE INDUSTRIAL PRODUCTS COMPANY, LLC, US
[86] (2830537)
[87] (2830537)
[22] 2013-10-17
[30] US (61/715,278) 2012-10-17

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[51] **Int.Cl. H04M 3/527 (2006.01) G06Q 30/02 (2012.01) G10L 13/00 (2006.01)**
[25] EN
[54] **CUSTOMER RELATIONSHIP MANAGEMENT (CRM) AUDIO ON HOLD**
[54] **GESTION DES RELATIONS AVEC LA CLIENTELE AUDIO DE MISE EN ATTTENTE**
[72] MARUM, MATTHEW, US
[73] SUGARCRM INC., US
[86] (2830711)
[87] (2830711)
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[13] C
[51] **Int.Cl. F22B 37/10 (2006.01) F22B 37/16 (2006.01)**
[25] EN
[54] **STEAM GENERATOR TUBE LANE FLOW BUFFER**
[54] **AMORTISSEMENT DE L'ECOULEMENT DANS UNE VOIE ENTRE TUBES D'UN GENERATEUR DE VAPEUR**
[72] WEPFER, ROBERT M., US
[73] WESTINGHOUSE ELECTRIC COMPANY, LLC, US
[85] 2013-09-20
[86] 2012-04-26 (PCT/US2012/035169)
[87] (WO2012/139139)
[30] US (13/197,890) 2011-08-04

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[51] **Int.Cl. H01M 8/0273 (2016.01) H01M 8/1007 (2016.01)**
[25] EN
[54] **FUEL CELL RESISTANT TO STRESS FROM DIFFERENTIAL PRESSURE**
[54] **PILE A COMBUSTIBLE RESISTANTE A LA CONTRAINTE DE LA PRESSION DIFFERENTIELLE**
[72] OKU, TAKANORI, JP
[72] SUGINO, MANABU, JP
[72] UEHARA, SHIGETAKA, JP
[72] ABE, MITSUTAKA, JP
[73] NISSAN MOTOR CO., LTD., JP
[85] 2013-10-04
[86] 2012-04-04 (PCT/JP2012/059199)
[87] (WO2012/137820)
[30] JP (2011-085524) 2011-04-07

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[13] C
[51] **Int.Cl. H04B 7/26 (2006.01) H04W 72/12 (2009.01)**
[25] EN
[54] **NETWORK ACCESS METHOD AND APPARATUS**
[54] **METHODE D'ACCES AU RESEAU ET APPAREIL ASSOCIE**
[72] ZHOU, LEI, CN
[72] WANG, HAI, CN
[72] ZHENG, XUFENG, CN
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2013-10-31
[86] 2012-05-04 (PCT/KR2012/003530)
[87] (WO2012/150844)
[30] CN (201110124570.8) 2011-05-05
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[13] C
[51] **Int.Cl. A23K 40/00 (2016.01) A23K 10/00 (2016.01) A23K 20/10 (2016.01) A23K 40/10 (2016.01) A23K 40/25 (2016.01)**
[25] EN
[54] **COLD WEATHER FORMULATION FOR CONDITIONING ANIMAL FEED**
[54] **FORMULATION POUR TEMPS FROID POUR LE CONDITIONNEMENT D'UN ALIMENT POUR ANIMAUX**
[72] PIMENTEL, JULIO, US
[72] RICHARDSON, KURT, US
[72] WILSON, DON, US
[73] ANITOX CORPORATION, US
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[54] **PROCESS FOR THE MANUFACTURE OF PAPER PRODUCTS**
[54] **PROCEDE DE FABRICATION DE PRODUITS A BASE DE PAPIER**
[72] STEINDL, ROMAN, AT
[73] IBS AUSTRIA GMBH, AT
[85] 2013-11-08
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[54] **LOCAL NETWORKED STORAGE LINKED TO REMOTE NETWORKED STORAGE SYSTEM**
[54] **STOCKAGE EN RESEAU LOCAL ASSOCIE A UN SYSTEME DE STOCKAGE EN RESEAU DISTANT**
[72] VELUMMYLUM, PIRAGASH, US
[72] OLSON, JOHANNA S., US
[72] SMITH, KORWIN J., US
[72] WOOD, JAMES H., US
[72] EMERY, CHRISTOPHER G., US
[72] MA, WENLIN, US
[73] AMAZON TECHNOLOGIES, INC., US
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[25] EN
[54] **SWITCH**
[54] **COMMUTATEUR**
[72] UITTO, OSKARI, FI
[72] SUUTARINEN, AKI, FI
[72] KOLMONEN, RAINER, FI
[73] ABB OY, FI
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[25] EN
[54] **USE OF POROUS POLYMER MATERIALS FOR STORAGE OF BIOLOGICAL SAMPLES**
[54] **UTILISATION DE MATERIAUX POLYMERES POREUX POUR LE STOCKAGE D'ECHANTILLONS BIOLOGIQUES**
[72] HILDER, EMILY FRANCES, AU
[72] HON, WEI BOON, AU
[73] UNIVERSITY OF TASMANIA, AU
[85] 2013-11-20
[86] 2012-07-11 (PCT/AU2012/000826)
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[25] EN
[54] **BOAT DRAIN PLUG STORAGE AND REMINDER DEVICE**
[54] **DISPOSITIF DE RANGEMENT ET DE RAPPEL POUR BOUCHON DE VIDANGE DE BATEAU**
[72] HARKNESS, JON M., US
[72] MARTINSON, DANIEL J., US
[73] HARKNESS, JON M., US
[73] MARTINSON, DANIEL J., US
[86] (2837276)
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[54] **WALKERS AND METHODS OF USE**
[54] **MARCHETTES ET PROCEDES D'UTILISATION**
[72] CHEN, ZHI CHENG (EDWARD), CN
[73] BDARK HOLDINGS LTD., CA
[86] (2837594)
[87] (2837594)
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[54] **ANTIBODIES AGAINST G-CSFR AND USES THEREOF**
[54] **ANTICORPS CONTRE G-CSFR ET LEURS UTILISATIONS**
[72] NASH, ANDREW DONALD, AU
[72] ANDREWS, ARNA ELIZABETH, AU
[72] BACA, MANUEL, US
[72] EDWARDS, KIRSTEN MAE, AU
[72] HARDY, MATTHEW PHILIP, AU
[72] PANOUSIS, CON, AU
[72] DUNLOP, FELICITY MEREDITH, AU
[73] CSL LIMITED, AU
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[54] **FIXED DETACHABLE DENTAL ATTACHMENT DEVICE, ASSEMBLY AND METHODS OF USING THE SAME**
[54] **DISPOSITIF DE FIXATION DENTAIRE AMOVIBLE FIXE, ASSEMBLAGE ET PROCEDES D'UTILISATION DE CELUI-CI**
[72] MULLALY, SCOTT, US
[73] ZEST IP HOLDINGS LLC, US
[85] 2013-12-05
[86] 2012-06-07 (PCT/US2012/041300)
[87] (WO2012/170663)
[30] US (61/494,544) 2011-06-08

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[51] **Int.Cl. A62C 3/04 (2006.01) B01D 45/16 (2006.01) B23K 37/00 (2006.01)**
[25] EN
[54] **FIRE PROTECTION SYSTEM FOR AIR CLEANING SYSTEM**
[54] **SYSTEME DE PROTECTION D'INCENDIE POUR UN SYSTEME D'EPURATION D'AIR**
[72] BERGHUIJS, STEFAN, NL
[72] CREZEE, JEROEN, NL
[72] KNIJN, CEES, NL
[73] PLYMOVENT GROUP B.V., NL
[85] 2013-12-12
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[54] **BASE UNIT AND FLOORING SYSTEM**
[54] **UNITE DE BASE ET SYSTEME DE REVETEMENT DE SOLS**
[72] THORNTON, WILLIAM, US
[73] TARKETT GDL, LU
[85] 2013-12-20
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[54] **SEALING METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL D'ETANCHEITE**
[72] EDEN, ROBERT D., GB
[73] RAWWATER ENGINEERING COMPANY LIMITED, GB
[85] 2013-12-27
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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **SYSTEMS, COMPUTER MEDIUM AND COMPUTER-IMPLEMENTED METHODS FOR COACHING EMPLOYEES BASED UPON MONITORED HEALTH CONDITIONS USING AN AVATAR**
[54] **SYSTEMES, SUPPORT INFORMATIQUE ET PROCEDES INFORMATIQUES POUR COACHER DES EMPLOYES A L'AIDE D'UN AVATAR EN FONCTION DE LEUR ETAT DE SANTE SURVEILLE**
[72] HORSEMAN, SAMANTHA J., SA
[73] SAUDI ARABIAN OIL COMPANY, SA
[85] 2013-12-31
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[87] (WO2013/006636)
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[25] EN
[54] **SUPPORT APPARATUS FOR DISPLAY DEVICES AND OTHER OBJECTS**
[54] **APPAREIL DE SUPPORT POUR DES DISPOSITIFS D'AFFICHAGE ET AUTRES OBJETS**
[72] SAPPER, RICHARD, IT
[72] SNYDER, RONALD, US
[73] KNOLL, INC., US
[85] 2013-11-29
[86] 2012-05-30 (PCT/US2012/039934)
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[30] US (61/494,074) 2011-06-07
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[25] EN
[54] **IMPROVED SQUIB CONTROL CIRCUIT**
[54] **CIRCUIT DE COMMANDE D'AMORCE AMELIORE**
[72] COOK, BRUCE M., US
[73] WESTINGHOUSE ELECTRIC COMPANY LLC, US
[85] 2014-02-12
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[25] EN
[54] **QUICK ADJUST CONTINUOUSLY ENGAGED RECLINER**
[54] **DISPOSITIF D'INCLINAISON MIS EN PRISE EN CONTINU A REGLAGE RAPIDE**
[72] MATT, SAMUEL JAMES, US
[73] MAGNA SEATING INC., CA
[85] 2014-03-05
[86] 2012-09-10 (PCT/CA2012/000834)
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[25] EN
[54] **APPARATUS, SYSTEMS, AND METHODS FOR GRINDING A MATERIAL**
[54] **APPAREIL, SYSTEMES, ET PROCEDES DE BROYAGE D'UN MATERIAU**
[72] HULETT, RANDY, US
[72] KOLLER, IZAAK, US
[72] SHAY, BRIAN, US
[73] STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY, US
[85] 2014-03-10
[86] 2012-09-10 (PCT/US2012/054515)
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[30] US (13/251,157) 2011-09-30

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[51] **Int.Cl. B61G 9/10 (2006.01) B65G 11/10 (2006.01) F16F 1/04 (2006.01)**
[25] EN
[54] **ELASTOMERIC DRAFT GEAR FOR A RAILCAR**
[54] **ORGANE DE TRACTION ELASTOMERE POUR UN VEHICULE FERROVIAIRE**
[72] SPRAINIS, RONALD J., US
[72] GREGAR, PETER, US
[72] SPRAINIS, JOHN M., US
[73] WABTEC HOLDING CORP., US
[85] 2014-03-11
[86] 2012-09-13 (PCT/US2012/054989)
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[25] EN
[54] **METHOD OF FRACTURING WITH PHENOTHIAZINE STABILIZER**
[54] **PROCEDE DE FRACTURATION COMPORTANT UN PHENOTHIAZINE STABILISANT**
[72] CARMAN, PAUL S., US
[72] GUPTA, D.V. SATYANARAYANA, US
[73] BAKER HUGHES INCORPORATED, US
[85] 2014-03-19
[86] 2012-06-20 (PCT/US2012/043308)
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[25] EN
[54] **MODIFIED PARVOVIRUS USEFUL FOR GENE SILENCING**
[54] **PARVOVIRUS MODIFIE UTILE POUR LE SILENCAGE DE L'EXPRESSION GENIQUE**
[72] MARCHINI, ANTONIO, DE
[72] ROMMELAERE, JEAN, DE
[72] LEUCHS, BARBARA, DE
[72] KHODOSEVICH, ANNA, DE
[73] DEUTSCHES KREBSFORSCHUNGSZENTRUM, DE
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[54] **ON-BOARD DEVICE FOR TRAIN CONTROL SYSTEM**
[54] **DISPOSITIF EMBARQUE DE SYSTEME DE COMMANDE DE TRAIN**
[72] TAKAHASHI, MASAHIDE, JP
[72] HASHIMOTO, NAOTO, JP
[73] THE NIPPON SIGNAL CO., LTD., JP
[85] 2014-03-28
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[25] EN
[54] **PRESSURE WAVE ROOT CANAL CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DE CANAL RADICULAIRE PAR ONDE DE PRESSION**
[72] NETCHITAILO, VLADIMIR, US
[72] BOUTOUSSOV, DMITRI, US
[72] LEMBERG, VLADIMIR, US
[72] VERDAASDONK, RUDOLF MARIUS, NL
[73] BIOLASE, INC., US
[85] 2014-03-28
[86] 2012-10-01 (PCT/US2012/058332)
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[25] EN
[54] **METHODS FOR TREATING EYE CONDITIONS**
[54] **METHODES DE TRAITEMENT D'ETATS OCULAIRES**
[72] VAN VALEN, MARCIA, US
[72] BROWN, WILLIAM E., JR., US
[73] BIOLASE, INC., US
[85] 2014-03-28
[86] 2012-09-28 (PCT/US2012/058009)
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[30] US (61/541,017) 2011-09-29
[30] US (13/630,971) 2012-09-28

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[51] **Int.Cl. A01K 67/027 (2006.01) G01N 33/15 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **CHIMERIC NON-HUMAN ANIMAL CARRYING HUMAN HEPATOCYTE**
[54] **ANIMAL NON HUMAIN CHIMERIQUE PORTANT UN HEPATOCYTE HUMAIN**
[72] OSHIMURA, MITSUO, JP
[72] KAZUKI, YASUHIRO, JP
[72] MUKAIDANI, CHISE, JP
[72] SHIMADA, TAKASHI, JP
[72] KAKUNI, MASAKAZU, JP
[72] HAMAMURA, SATOKO, JP
[72] KAMIMURA, HIDETAKA, JP
[72] KAWAMURA, AKIO, JP
[72] NAKADA, NAOYUKI, JP
[72] OHBUCHI, MASATO, JP
[72] KATO, KOTA, JP
[73] PHOENIXBIO CO., LTD., JP
[73] NATIONAL UNIVERSITY CORPORATION TOTTORI UNIVERSITY, JP
[85] 2014-04-11
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[25] EN
[54] **MOBILE SERVICE BLOCK SYSTEM AND METHOD**
[54] **SYSTEME ET METHODE DE BLOC DE SERVICE MOBILE**
[72] LECLERC, PIERRE, CA
[73] LES MODULES ECOLOGIQUES MOVE HOME INC., CA
[86] (2853547)
[87] (2853547)
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[51] **Int.Cl. B65H 37/00 (2006.01) B64C 1/06 (2006.01)**
[25] EN
[54] **TRANSFER SYSTEM AND METHOD FOR APPLYING A FILM MATERIAL TO AN ELONGATE MEMBER**
[54] **SYSTEME DE TRANSFERT ET PROCEDE POUR APPLIQUER UN MATERIAU PELLICULAIRE SUR UN ELEMENT ALLONGE**
[72] SCHAAF, AMERICA O., US
[72] MILLER, RICHARD A., US
[73] THE BOEING COMPANY, US
[86] (2857523)
[87] (2857523)
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[51] **Int.Cl. B23K 26/00 (2014.01) B23K 26/50 (2014.01) H01L 21/02 (2006.01) H01L 21/78 (2006.01)**
[25] EN
[54] **SYSTEM FOR PERFORMING LASER FILAMENTATION WITHIN TRANSPARENT MATERIALS**
[54] **SYSTEME POUR PROCEDER A LA FILAMENTATION LASER DANS DES MATERIAUX TRANSPARENTS**
[72] HOSSEINI, S. ABBAS, CA
[73] ROFIN-SINAR TECHNOLOGIES INC., US
[86] (2857820)
[87] (2857820)
[22] 2014-07-25
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[51] **Int.Cl. B23K 26/38 (2014.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR NON-ABLATIVE, PHOTOACCOUSTIC COMPRESSION MACHINING IN TRANSPARENT MATERIALS USING FILAMENTATION BY BURST ULTRAFAST LASER PULSES**
[54] **PROCEDE ET APPAREIL POUR USINAGE PAR COMPRESSION PHOTOACOUSTIQUE NON ABLATIF DANS DES MATERIAUX TRANSPARENTS AU MOYEN DE LA FILAMENTATION PAR SALVE D'IMPULSIONS LASER ULTRARAPIDES**
[72] HOSSEINI, S. ABBAS, US
[73] ROFIN-SINAR TECHNOLOGIES INC., US
[86] (2857840)
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[22] 2014-07-25
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[25] EN
[54] **DIAGNOSIS OF LYMPHOID MALIGNANCIES AND MINIMAL RESIDUAL DISEASE DETECTION**
[54] **DIAGNOSTIC DES MALIGNITES LYMPHOIDES ET DETECTION DE MALADIE RESIDUELLE MINIMALE**
[72] SHERWOOD, ANNA M., US
[72] ROBINS, HARLAN S., US
[73] ADAPTIVE BIOTECHNOLOGIES CORPORATION, US
[85] 2014-06-02
[86] 2012-12-07 (PCT/US2012/068617)
[87] (WO2013/086450)
[30] US (61/569,118) 2011-12-09
[30] US (61/644,294) 2012-05-08
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[51] **Int.Cl. G01N 24/08 (2006.01) A61B 5/055 (2006.01) G01R 33/48 (2006.01) H01L 21/66 (2006.01)**
[25] EN
[54] **NMR IMAGING DEVICE AND NMR IMAGING METHOD**
[54] **DISPOSITIF D'IMAGERIE PAR RESONANCE MAGNETIQUE NUCLEAIRE (RMN) ET PROCEDE D'IMAGERIE RMN**
[72] SASAKI, SUSUMU, JP
[72] YUGE, TATSURO, JP
[72] HIRAYAMA, YOSHIRO, JP
[73] JAPAN SCIENCE AND TECHNOLOGY AGENCY, JP
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[86] 2012-12-18 (PCT/JP2012/082739)
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[51] **Int.Cl. G06F 3/042 (2006.01) G06F 3/0354 (2013.01)**
[25] EN
[54] **INTERACTIVE INPUT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENTREE INTERACTIFS**
[72] TAYLOR, CAMERON, CA
[72] LAM, CLINTON, CA
[73] SMART TECHNOLOGIES ULC, CA
[85] 2014-06-30
[86] 2013-01-11 (PCT/CA2013/000024)
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[30] US (61/585,527) 2012-01-11

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[25] EN
[54] **INTERACTIVE INPUT SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'ENTREE INTERACTIVE**
[72] LAM, CLINTON, CA
[72] MCGIBNEY, GRANT, CA
[72] POPOVICH, DAVID, CA
[72] RATTRAY, ROBBIE, CA
[73] SMART TECHNOLOGIES ULC, CA
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[30] US (61/585,252) 2012-01-11
[30] US (61/663,443) 2012-06-22
[30] US (61/720,378) 2012-10-30

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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/154 (2006.01) A61B 5/155 (2006.01) A61M 5/32 (2006.01)**
[25] EN
[54] **BLOOD COLLECTION ASSEMBLY HAVING A MULTI-FUNCTION SHIELD**
[54] **ENSEMBLE POUR PRELEVEMENT SANGUIN AYANT UNE PROTECTION MULTIFONCTION**
[72] SIM, LEE HOONG, SG
[72] SIM, TIONG YEE, MY
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2014-07-29
[86] 2013-03-07 (PCT/US2013/029589)
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[30] US (61/608,195) 2012-03-08

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[54] **ESTIMATION DE RENDEMENT ENVIRONNEMENTAL**
[72] DAULTON, DANIEL J., US
[72] KUZAWA, RANDY, US
[72] WILKE, JAMES G., US
[72] TODD, BRIDGET MARIE, US
[72] MCCRACKEN, DARYL D., US
[73] BAKER HUGHES INCORPORATED, US
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[25] EN
[54] **POLYMERIC ACID CATALYSTS AND USES THEREOF**
[54] **CATALYSEURS ACIDES POLYMERES ET LEURS UTILISATIONS**
[72] GEREMIA, JOHN M., US
[72] BAYNES, BRIAN M., US
[72] DHAWAN, ASHISH, US
[73] CADENA BIO, INC., US
[85] 2014-08-07
[86] 2012-02-27 (PCT/US2012/026820)
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[30] US (61/447,311) 2011-02-28
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[25] EN
[54] **THERAPEUTIC EFFECTS OF BRYOSTATINS, BRYOLOGS, AND OTHER RELATED SUBSTANCES ON ISCHEMIA/STROKE-INDUCED MEMORY IMPAIRMENT AND BRAIN INJURY**
[54] **EFFETS THERAPEUTIQUES DE BRYOSTATINES, DE BRYOLOGUES ET D'AUTRES SUBSTANCES APPARENTEES SUR L'ALTERATION DE LA MEMOIRE INDUITE PAR UNE ISCHEMIE/UN ACCIDENT VASCULAIRE CEREBRAL ET UNE LESION CEREBRALE**
[72] SUN, MIAO-KUN, US
[72] ALKON, DANIEL L., US
[73] BLANCHETTE ROCKEFELLER NEUROSCIENCES INSTITUTE, US
[86] (2864550)
[87] (2864550)
[22] 2008-02-11
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[25] EN
[54] **PROCESS VESSEL COOLDOWN APPARATUS AND METHOD**
[54] **PROCEDE ET APPAREIL DE REFROIDISSEMENT DE RECIPIENT DE TRAITEMENT**
[72] MATHUR, UMESH, US
[73] AGGREKO, LLC, US
[86] (2867107)
[87] (2867107)
[22] 2014-10-01
[30] US (61/886,718) 2013-10-04
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[25] EN
[54] **BYPASS BINS FOR REFERENCE INDEX CODING IN VIDEO CODING**
[54] **SEGMENTS D'EVITEMENT POUR CODAGE D'INDICES DE REFERENCE EN CODAGE VIDEO**
[72] KARCZEWICZ, MARTA, US
[72] SEREGIN, VADIM, US
[72] WANG, XIANGLIN, US
[72] COBAN, MUHAMMED ZEYD, US
[73] QUALCOMM INCORPORATED, US
[85] 2014-09-17
[86] 2013-04-02 (PCT/US2013/034968)
[87] (WO2013/154866)
[30] US (61/623,043) 2012-04-11
[30] US (61/637,218) 2012-04-23
[30] US (61/640,568) 2012-04-30
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[25] EN
[54] **APPLICATOR**
[54] **APPLICATEUR**
[72] TROW, DAVID ANDREW, NZ
[73] SIMCRO LIMITED, NZ
[85] 2014-09-23
[86] 2013-03-25 (PCT/NZ2013/000050)
[87] (WO2013/147619)
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[25] EN
[54] **A MULTI-EVAPORATOR REFRIGERATION CIRCUIT**
[54] **CIRCUIT DE REFRIGERATION A MULTIPLES EVAPORATEURS**
[72] GIROTTO, SERGIO, IT
[73] HUURRE GROUP OY, FI
[73] ENEX SRL, IT
[85] 2014-09-25
[86] 2012-05-28 (PCT/FI2012/050513)
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[25] EN
[54] **SOY MILK FERMENTATION PRODUCT AND METHOD FOR PRODUCING SAME**
[54] **PRODUIT DE FERMENTATION DU JUS DE SOJA ET SON PROCEDE DE PRODUCTION**
[72] TSUCHIMOTO, NORIHIKO, JP
[72] NAKAKITA, YASUKAZU, JP
[72] HARASHIMA, HIROYUKI, JP
[73] SAPPORO HOLDINGS LIMITED, JP
[85] 2014-10-01
[86] 2013-03-18 (PCT/JP2013/057668)
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[51] **Int.Cl. A61B 5/15 (2006.01) A61B 5/151 (2006.01)**
[25] EN
[54] **PUSH-TO-CHARGE LANCING DEVICE**
[54] **DISPOSITIF DE PERCEE A POUSSEE DE CHARGE**
[72] TRISSEL, JOHN A., US
[73] FACET TECHNOLOGIES, LLC, US
[85] 2014-10-01
[86] 2013-04-09 (PCT/US2013/035746)
[87] (WO2013/155052)
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[51] **Int.Cl. H01H 9/34 (2006.01) H01H 9/44 (2006.01)**
[25] EN
[54] **ELECTRIC CURRENT SWITCHING APPARATUS**
[54] **APPAREIL DE COMMUTATION DE COURANT ELECTRIQUE**
[72] MATTLAR, HARRI, FI
[72] VALIVAINIO, MIKKO, FI
[73] ABB OY, FI
[85] 2014-10-08
[86] 2013-04-08 (PCT/FI2013/050384)
[87] (WO2013/153279)
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[25] EN
[54] **DUAL FUNCTION SOLID STATE CONVERTER**
[54] **CONVERTISSEUR A SEMI-CONDUCTEURS DOUBLE FONCTION**
[72] LEADINGHAM, DAVID WAYNE, US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2014-10-09
[86] 2013-04-16 (PCT/US2013/036725)
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[25] EN
[54] **HOPPER FOR A PELLET GRILL**
[54] **TREMIE POUR BARBECUE A GRANULES**
[72] POLTER, H.R., US
[72] DORCEY, RENEE IRENE, US
[72] DARVEAU, HEATH AARON, US
[72] MOUSEL, ALEX JAMES, US
[73] CABELA'S LLC, US
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[87] (2871240)
[22] 2014-11-17
[30] US (61/905,675) 2013-11-18

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[25] EN
[54] **INFLATABLE SHOULDER HARNESS ASSEMBLY FOR AN AIRCRAFT SEAT**
[54] **ENSEMBLE HARNAIS GONFLABLE POUR SIEGE D'AVION**
[72] MEISTER, PETE C., US
[72] OLESON, MICHAEL, US
[73] B/E AEROSPACE, INC., US
[85] 2014-11-14
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[25] EN
[54] **OPERATING APPARATUS FOR SOLAR RADIATION SHIELDING DEVICE**
[54] **EQUIPEMENT D'EXPLOITATION POUR DISPOSITIF D'ECRAN DE PROTECTION CONTRE LE RAYONNEMENT SOLAIRE**
[72] WATANABE, AKIHIRO, JP
[73] TACHIKAWA CORPORATION, JP
[85] 2014-11-19
[86] 2012-05-22 (PCT/JP2012/063081)
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[25] EN
[54] **PH-SENSITIVE CARRIER AND PREPARATION METHOD THEREOF, AND PH SENSITIVE DRUG AND PH SENSITIVE DRUG COMPOSITION EACH CONTAINING THE CARRIER, AND CULTURE METHOD USING THE SAME**
[54] **SUPPORT SENSIBLE AU PH ET PROCEDE POUR LE PRODUIRE, MEDICAMENT SENSIBLE AU PH ET COMPOSITION PHARMACEUTIQUE SENSIBLE AU PH CONTENANT CHACUN LEDIT SUPPORT, ET PROCEDE DE CULTURE EMPLOYANT LEDIT MEDICAMENT SENSIBLE AU PH OU LADITE COMPOSITION PHARMACEUTIQUE SENSIBLE AU PH**
[72] SAKAGUCHI, NAOKI, JP
[73] TERUMO KABUSHIKI KAISHA, JP
[85] 2014-11-28
[86] 2013-05-24 (PCT/JP2013/065126)
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[25] EN
[54] **METHODS RELATING TO DESIGNING WELLBORE STRENGTHENING FLUIDS**
[54] **PROCEDES ASSOCIES A LA CONCEPTION DE FLUIDES DE RENFORT DE PUITS DE FORAGE**
[72] SAVARI, SHARATH, US
[72] KUMAR, ARUNESH, GB
[72] SCORSONE, JASON T., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2014-12-05
[86] 2013-06-26 (PCT/US2013/047827)
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[25] EN
[54] **LIPOSOMES COMPRISING HYALURONIC ACID AND THEIR USE IN IMPROVED SKIN CARE**
[54] **LIPOSOMES CONTENANT DE L'ACIDE HYALURONIQUE ET LEUR UTILISATION DANS L'AMELIORATION DES SOINS DE LA PEAU**
[72] PINSKY, MARK A., US
[73] PINSKY, MARK A., US
[86] (2876767)
[87] (2876767)
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[51] **Int.Cl. H04L 9/08 (2006.01)**
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[54] **KEY AGREEMENT FOR WIRELESS COMMUNICATION**
[54] **ACCORD DE CLE DESTINE A LA COMMUNICATION SANS FIL**
[72] BROWN, DANIEL RICHARD L., CA
[72] CAMPAGNA, MATTHEW JOHN, US
[72] EBEID, NEVINE MAURICE NASSIF, CA
[73] CERTICOM CORP., CA
[85] 2014-12-19
[86] 2013-06-26 (PCT/US2013/047921)
[87] (WO2014/004688)
[30] US (13/536,747) 2012-06-28

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[13] C
[51] **Int.Cl. G01F 15/14 (2006.01) G01F 1/84 (2006.01)**
[25] EN
[54] **SENSOR HOUSING FOR A FLUID METER**
[54] **LOGEMENT DE CAPTEUR POUR UN DEBITMETRE**
[72] LANHAM, GREGORY TREAT, US
[72] WERBACH, CHRISTOPHER A., US
[73] MICRO MOTION, INC., US
[85] 2014-12-31
[86] 2012-07-24 (PCT/US2012/047974)
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[51] **Int.Cl. B25B 27/02 (2006.01) B25B 7/12 (2006.01) B25B 27/14 (2006.01)**
[25] EN
[54] **HAND TOOL FOR USE IN THE QUICK DISCONNECTION OF QUICK CONNECT/DISCONNECT COUPLINGS**
[54] **OUTIL A MAIN UTILISE POUR DEBRANCHEMENT RAPIDE DE RACCORDS DE BRANCHEMENT/ DEBRANCHEMENT**
[72] KADY, DARREN, US
[72] SHOWALTER, DAVID LEE, US
[73] DIRECT SOURCE INTERNATIONAL, LLC, US
[85] 2015-01-06
[86] 2013-06-11 (PCT/US2013/045102)
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[54] **ULTRASONIC PROBE AND ALIGNED NEEDLE GUIDE SYSTEM**
[54] **SONDE A ULTRASONS ET SYSTEME GUIDE-AIGUILLE ALIGNE**
[72] CHAGGARES, NICHOLAS CHRISTOPHER, CA
[72] RIEDER, ERIC MICHAEL, CA
[73] FUJIFILM VISUALSONICS, INC., CA
[85] 2015-01-09
[86] 2013-07-10 (PCT/IB2013/001979)
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[51] **Int.Cl. F21V 31/00 (2006.01) F21V 7/00 (2006.01) F21V 9/00 (2018.01)**
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[54] **PATH LIGHT AND UNITARY GASKET-REFLECTOR**
[54] **ECLAIRAGE DE TRAJET ET REFLECTEUR A JOINT STATIQUE MONOBLOC**
[72] SCHMAUDER, CHRISTOPHER ROBERT, US
[72] ANDRISIN, JOHN J., III, US
[73] THE L.D. KICHLER CO., US
[86] (2880081)
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[51] **Int.Cl. B64F 5/10 (2017.01) B64C 3/26 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR MANUFACTURING A WING BOX**
[54] **SYSTEME ET PROCEDE POUR FABRIQUER UNE BOITE D'AILE**
[72] SISCO, FARAHNAZ TANNI, US
[72] SMITH, DANIEL R., US
[72] AQUINO, JAYSON J., US
[72] BATT, EDWARD JOHN, US
[72] BUTTRICK, JAMES N., US
[72] MICALE, ANTONIO C., US
[72] JONES, DARRELL D., US
[72] MUNK, CLAYTON L., US
[72] COUEVAS, CHRIS G., US
[72] NAMDARAN, AZITA N., US
[72] NOOR, NOMAN S., US
[72] MOTTAZ, DONALD A., US
[73] THE BOEING COMPANY, US
[85] 2015-01-23
[86] 2013-08-14 (PCT/US2013/054899)
[87] (WO2014/051868)
[30] US (61/707,360) 2012-09-28
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[51] **Int.Cl. H04R 3/04 (2006.01) H04R 3/12 (2006.01) H04S 3/02 (2006.01)**
[25] EN
[54] **IMPROVING AT LEAST ONE OF INTELLIGIBILITY OR LOUDNESS OF AN AUDIO PROGRAM**
[54] **AMELIORATION D'AU MOINS L'INTELLIGIBILITE OU LA SONIE D'UN PROGRAMME DE RADIODIFFUSION SONORE**
[72] CARROLL, TIMOTHY J., US
[73] THE TELOS ALLIANCE, US
[86] (2880126)
[87] (2880126)
[22] 2015-01-27
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[25] EN
[54] **A SKIN ENGAGING MEMBER COMPRISING AT LEAST ONE THERMALLY RESILIENT SENSATE**
[54] **ELEMENT POUR CONTACT AVEC LA PEAU, COMPRENANT AU MOINS UN AGENT SENSORIEL THERMIQUEMENT RESILIENT**
[72] WANG, XIANDONG, US
[72] JABALPURWALA, FATIMA ABDULHUSSAIN, US
[72] BAKES, KATHARINE ANNE, US
[73] THE GILLETTE COMPANY LLC, US
[85] 2015-02-12
[86] 2013-09-25 (PCT/US2013/061584)
[87] (WO2014/052390)
[30] US (61/707,376) 2012-09-28

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[25] EN
[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 5/15 AND 64-SYMBOL MAPPING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT DE CODE DE VERIFICATION DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 ET UN TAUX DE CODE DE 5/15 ET MAPPAGE DE SYMBOLE 64, ET METHODE D'ENTRELACEMENT DE BITS ASSOCIEE**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (2882457)
[87] (2882457)
[22] 2015-02-19
[30] KR (10-2014-0019894) 2014-02-20
[30] KR (10-2014-0023601) 2014-02-27
[30] KR (10-2015-0009441) 2015-01-20

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[25] EN
[54] **METHOD FOR PRODUCING HEN EGG, HEN EGG, AND FEED FOR POULTRY**
[54] **PROCEDE DE PRODUCTION D'UN OEUF DE POULE, OEUF DE POULE ET ALIMENT POUR VOLAILLE**
[72] MITARAI, KAORU, JP
[73] MEISHO. CO., LTD., JP
[85] 2015-02-26
[86] 2012-08-24 (PCT/JP2012/071470)
[87] (WO2013/031691)
[30] US (61/527,660) 2011-08-26

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[25] EN
[54] **BIT INTERLEAVER FOR LOW-DENSITY PARITY CHECK CODEWORD HAVING LENGTH OF 64800 AND CODE RATE OF 4/15 AND 256-SYMBOL MAPPING, AND BIT INTERLEAVING METHOD USING SAME**
[54] **ENTRELACEUR DE BITS POUR MOT DE CODE DE VERIFICATION DE PARITE FAIBLE DENSITE AYANT UNE LONGUEUR DE 64 800 ET UN TAUX DE CODE DE 4/15 ET MAPPAGE DE SYMBOLE 256, ET METHODE D'ENTRELACEMENT DE BITS ASSOCIEE**
[72] PARK, SUNG-IK, KR
[72] KWON, SUN-HYOUNG, KR
[72] LEE, JAE-YOUNG, KR
[72] KIM, HEUNG-MOOK, KR
[72] HUR, NAM-HO, KR
[73] ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE, KR
[86] (2883547)
[87] (2883547)
[22] 2015-03-03
[30] KR (10-2014-0026681) 2014-03-06
[30] KR (10-2015-0009440) 2015-01-20

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[51] **Int.Cl. C09K 17/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR INCREASING WETTED SOIL VOLUME**
[54] **COMPOSITIONS ET METHODES D'AUGMENTATION DU VOLUME DE SOL MOUILLE**
[72] PULLEN, ERROLL M., ZA
[72] PULLEN, MELVIN DONOVAN, ZA
[73] ORO AGRI INC., US
[86] (2883587)
[87] (2883587)
[22] 2010-04-13
[62] 2,769,988
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[51] **Int.Cl. B64C 1/00 (2006.01) B64C 1/40 (2006.01)**
[25] EN
[54] **STRUCTURE AND METHOD FOR REDUCING AIR FLOW IN A WALL VOLUME OF AN AIRCRAFT**
[54] **STRUCTURE ET METHODE DE REDUCTION DE DEBIT D'AIR DANS UN VOLUME DE PAROI D'UN AERONEF**
[72] GRAY, JOHN C., US
[72] BLACK, ROGER B., US
[73] THE BOEING COMPANY, US
[86] (2883992)
[87] (2883992)
[22] 2015-03-04
[30] US (14/230,348) 2014-03-31
[30] US (14/616,885) 2015-02-09

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[13] C
[51] **Int.Cl. E01H 5/09 (2006.01) A46B 7/04 (2006.01) A46B 13/02 (2006.01) A46B 17/00 (2006.01) A47L 11/282 (2006.01) A47L 11/40 (2006.01) E01H 1/05 (2006.01)**
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[54] **BRUSH PARTS HOLDER**
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[54] **SAC DE RANGEMENT AVEC LEVRES COLOREES**
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[72] MUSALIAR, IMTIAZ A., US
[72] LY, BUNLIM, US
[72] HORN, JONATHAN DAVID, US
[72] WEISENBERGER, PAMELA J., US
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[54] **PROCEDE DE COMPRESSION VIDEO**
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[72] KOSTENKO, OLEG, IL
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[54] **SELF-GUIDED GEOSTEERING ASSEMBLY AND METHOD FOR OPTIMIZING WELL PLACEMENT AND QUALITY**
[54] **ENSEMBLE GUIDAGE GEOLOGIQUE AUTOGUIDE ET PROCEDE PERMETTANT D'OPTIMISER LE POSITIONNEMENT ET LA QUALITE D'UN PUITS**
[72] MAY, MICHAEL, US
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[72] TESORIERO, TOM, US
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[73] ROSEN SWISS AG, CH
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[54] **COMMANDE A BOUCLE FERMEE DES SURFACES DE COMMANDE D'UN AERONEF**
[72] PACHIKARA, ABRAHAM J., US
[72] MOSER, MATTHEW A., US
[72] CARPENTER, PAUL H., US
[72] FINN, MICHAEL R., US
[72] KOCH, THOMAS S., US
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[72] WHITEHEAD, BRIAN T., US
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[72] EDALAT, PAUL, US
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[72] MOLL, JOSEPH, US
[72] ALLEN, JAMES, US
[72] CZIRAKY, DAVID A., US
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[54] **ARTICLE ABSORBANT POUVANT ETRE DRAPE**
[72] ROSENFELD, LEONARD G., US
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[54] **MODULE DE FEU DE CIRCULATION A DEL**
[72] WU, CHAO-HSIEN, TW
[72] NI, CHING-TSUNG, TW
[73] LITE-ON TECHNOLOGY CORPORATION, TW
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[54] **FLUID HOSE APPARATUS WITH INTEGRATED NOZZLE AND RELATED SYSTEMS AND METHODS**
[54] **APPAREIL DE TUYAU DE LIQUIDE DOTE D'UNE BUSE INTEGREE, ET SYSTEMES ET METHODES ASSOCIES**
[72] SHOAP, STEPHEN D., US
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[54] **SYSTEME ET METHODE POUR FOURNIR DES SERVICES DE SIGNATURE NUMERIQUE AVEC GENERATION A DISTANCE DE CODE HACHE**
[72] RYBAK, MICHAEL A., US
[72] LITTLE, HERBERT A., CA
[72] ADAMS, NEIL P., CA
[72] KIRKUP, MICHAEL G., CA
[72] TAPUSKA, DAVID F., CA
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[54] **UTILISATION D'UNE COMPOSITION POUR REDUIRE LE SUINTEMENT ET LA MIGRATION A TRAVERS UN FILM SOLUBLE DANS L'EAU**
[72] LABEQUE, REGINE, BE
[72] VAN ELSEN, KATRIEN ANDREA LIEVEN, BE
[73] THE PROCTER & GAMBLE COMPANY, US
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[54] **PROTHESE ET PROCEDE DE FABRICATION D'UNE PROTHESE**
[72] BAASKE, THOMAS, CH
[72] HAGENBUCH, KONRAD, CH
[72] FREI, CHRISTIAN, IT
[72] HEINZ, MARKUS, IT
[72] WATZKE, RONNY, AT
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[54] **METHOD AND COMPOSITIONS FOR IMPROVING SELECTIVE CATABOLYSIS AND VIABILITY IN CELLS OF KERATIN SURFACES**
[54] **PROCEDE ET COMPOSITIONS POUR AMELIORER LA CATABOLYSE SELECTIVE ET LA VIABILITE DE CELLULES DE SURFACES DE KERATINE**
[72] PERNODET, NADINE A., US
[72] COLLINS, DONALD F., US
[72] LAYMAN, DAWN, US
[72] YAROSH, DANIEL B., US
[73] ELC MANAGEMENT LLC, US
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[54] **PRODUITS PLASTIQUE RENFORCES DE FIBRE DE VERRE AYANT UNE RESISTANCE AUX INTEMPERIES AMELIOREE, SYSTEME ET METHODE**
[72] KELLY, RICHARD M., US
[72] GAUCHEL, JAMES VINCENT, US
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[54] **PROCEDE ET SYSTEME POUR REALISER UNE INTERROGATION ET UNE COLLECTE D'INFORMATIONS AUDIO**
[72] ZHANG, XIAOLONG, CN
[72] ZHANG, BIN, CN
[72] LI, DEYUAN, CN
[72] LIU, HAILONG, CN
[72] HOU, JIE, CN
[72] XIE, DADONG, CN
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[72] LIRA, JUSTIN M., US
[72] MERLO, DONALD J., US
[72] ARNOLD, NICOLE L. (HOPKINS), US
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[72] SMITH, MICHAEL, GB
[72] YARWOOD, ANDREW, GB
[73] SIEMENS AKTIENGESELLSCHAFT, DE
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[54] **PLUNGER LIFT ASSEMBLY WITH AN IMPROVED FREE PISTON ASSEMBLY**
[54] **DISPOSITIF DE PISTON PLONGEUR COMPORTANT UN MECANISME DE PISTON LIBRE AMELIORE**
[72] ZIMMERMAN, JEFFREY BRIAN, JR., US
[73] SUPERIOR ENERGY SERVICES, L.L.C., US
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[54] **PROCEDE POUR LA PREPARATION D'UN ESTER D'ACIDE SUCCINIQUE**
[72] SMIDT, MARTIN LUCAS, GB
[72] CAMPBELL, IAN, GB
[72] GORDON, PAUL, GB
[72] FERGUSON, CHRISTOPHER, GB
[72] REED, GRAHAM, GB
[73] JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED, GB
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[54] **PROCEDE DE PRECIPITATION DU FER A PARTIR DE SOLUTIONS DE LIXIVIATION**
[72] CANBEKTE, ZEKERIYA, TR
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[54] **COMPOSES D'IMDAZOPYRIDAZINE**
[72] CHAPPIE, THOMAS ALLEN, US
[72] VERHOEST, PATRICK ROBERT, US
[72] PATEL, NANDINI CHATURBHAI, US
[72] HAYWARD, MATTHEW MERRILL, US
[72] HELAL, CHRISTOPHER JOHN, US
[72] SCIABOLA, SIMONE, US
[72] LACHAPELLE, ERIK ALPHIE, US
[72] YOUNG, JOSEPH MICHAEL, US
[73] PFIZER INC., US
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[54] **PILE A COMBUSTIBLE ET EMPILEMENT DE PILES A COMBUSTIBLE A CONNEXION ELECTRIQUE MAINTENUE**
[72] YAGI, HIROAKI, JP
[72] SATO, YOSHIKUNI, JP
[72] HOTTA, NOBUYUKI, JP
[73] NGK SPARK PLUG CO., LTD., JP
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[54] **JOINT PRINCIPAL POUR UN ENSEMBLE D'EXTREMITES DE ROUES DE VEHICULE LOURD**
[72] WHITE, JAY D., US
[72] MORRIS, JEFFREY S., US
[72] GRECA, GERALD A., US
[73] HENDRICKSON USA, L.L.C., US
[73] FEDERAL-MOGUL CORPORATION, US
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[54] **FUEL CELL PROVIDING UNIFORM FUEL GAS PRESSURE DISTRIBUTION IN A POWER GENERATION REGION**
[54] **PILE A COMBUSTIBLE ASSURANT UNE DISTRIBUTION UNIFORME DE PRESSION DE CARBURANT GAZEUX DANS UNE GENERATION DE PRODUCTION D'ENERGIE**
[72] KOMATSU, DAISUKE, JP
[72] SHICHIDA, TAKAFUMI, JP
[73] NGK SPARK PLUG CO., LTD., JP
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[54] **METHOD OF ATTACHING NACELLE STRUCTURE TO MINIMIZE FATIGUE LOADING**
[54] **METHODE DE FIXATION D'UNE STRUCTURE DE NACELLE SERVANT A MINIMISER LA CHARGE DE FATIGUE**
[72] STARK, RICHARD L., US
[72] SHASHIDHAR, ANANTHRAM KOTA, US
[72] SILVA, ALEJANDRO, US
[72] TRUONG, HOA V., US
[72] VOGEL, STUART WILLIAM, US
[72] YBARRA, JOHN, US
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[54] **WEAR INDICATOR IN A COMPOUND SYSTEM MADE OF FIREPROOF CERAMIC BRICKS**
[54] **INDICATEUR D'USURE DANS UN SYSTEME COMPOSITE CONSTITUE DE BLOCS CERAMIQUES REFRACTAIRES**
[72] KLIKOVICH, MICHAEL, AT
[72] BACHMAYER, JOSSE, AT
[72] ZETTL, KARL, AT
[72] MARANITSCH, ALEXANDER, AT
[73] REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG, AT
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[54] **SOLID STATE FORMS OF A QUINAZOLINE DERIVATIVE AND ITS USE AS A BRAF INHIBITOR**
[54] **FORMES SOLIDES D'UN DERIVE DE QUINAZOLINE ET LEUR UTILISATION EN TANT QU'INHIBITEURS DE BRAF**
[72] BIERLMAIER, STEPHEN J., US
[72] HALTIWANGER, RALPH C., US
[72] JACOBS, MARTIN J., US
[73] IGNYTA, INC., US
[85] 2015-08-12
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[54] **METHOD AND COMPOSITIONS FOR IMPROVING WEAR OF COLOR COSMETICS**
[54] **PROCEDE ET COMPOSITIONS POUR AMELIORER L'USURE DE PRODUITS COSMETIQUES COLORES**
[72] MU, WEILIN, US
[72] CASTRO, JOHN R., US
[73] ELC MANAGEMENT LLC, US
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[25] EN
[54] **CONVERTIBLE AIRCRAFT GALLEY REFRIGERATOR/CHILLER WITH SIDE DOOR ACCESS**
[54] **REFRIGERATEUR/REFROIDISSEUR CONVERTIBLE POUR OFFICE D'AVION AVEC ACCES PAR PORTE LATERALE**
[72] HAWKINS, AARON B., US
[72] PECK, JESSE R., US
[72] GODECKER, WILLIAM J., US
[72] ZANKICH, VICTOR A., US
[73] B/E AEROSPACE, INC., US
[85] 2015-08-21
[86] 2014-02-21 (PCT/US2014/017761)
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[54] **ADVERTISEMENT INSERTION**
[54] **INSERTION DE PUBLICITE**
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[73] ARRIS ENTERPRISES LLC, US
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[87] (WO2014/159783)
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[25] EN
[54] **IN SITU HEATED PROCESS PROBE**
[54] **SONDE DE TRAITEMENT CHAUFFEE IN SITU**
[72] KRAMER, JAMES D., US
[72] NEMER, JOSEPH C., US
[72] SIMMERS, DOUGLAS E., US
[73] ROSEMOUNT ANALYTICAL INC., US
[85] 2015-08-31
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[30] US (61/806,626) 2013-03-29
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[25] EN
[54] **IMPROVED PROCESS FOR OBTAINING IONIC AMINO ACID ESTERS**
[54] **PROCEDE AMELIORE DESTINE A L'OBTENTION D'ESTERS D'ACIDES AMINES IONIQUES**
[72] MARTINEZ PALOU, RAFAEL, MX
[72] CERON CAMACHO, RICARDO, MX
[72] VALLEJO CARDONA, ALBA ADRIANA, MX
[72] REYES AVILA, ROMEO JESUS, MX
[72] CLAVEL LOPEZ, JUAN DE LA CRUZ, MX
[72] BERNAL HUICOCHEA, CESAR, MX
[72] RAMIREZ DE SANTIAGO, MARIO, MX
[72] ABURTO ANELL, JORGE ARTURO, MX
[73] INSTITUTO MEXICANO DEL PETROLEO, MX
[86] (2903564)
[87] (2903564)
[22] 2015-09-08
[30] MX (MX/A/2014/010730) 2014-09-08

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[51] **Int.Cl. C22C 38/32 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/28 (2006.01) C22C 38/38 (2006.01) C23C 2/12 (2006.01)**
[25] EN
[54] **HIGH STRENGTH STEEL SHEET EXCELLENT IN DELAYED FRACTURE RESISTANCE AND LOW TEMPERATURE TOUGHNESS, AND HIGH STRENGTH MEMBER MANUFACTURED USING THE SAME**
[54] **PLAQUE D'ACIER A RESISTANCE MECANIQUE ELEVEE DOTEE D'EXCELLENTES CARACTERISTIQUES DE RESISTANCE A LA DESTRUCTION RETARDEE ET D'UNE TENACITE A FAIBLE TEMPERATURE, ET ORGANE A HAUTERESISTANCE MECANIQUE FABRIQUE A L'AIDE DE CELLE-CI**
[72] TANAHASHI, HIROYUKI, JP
[72] TOMOKIYO, TOSHIMASA, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2015-09-04
[86] 2014-03-13 (PCT/JP2014/056669)
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[25] EN
[54] **REACTOR VESSEL FOR COMPLEXECELLE FORMATION**
[54] **CUVE DE REACTEUR POUR FORMATION DE COMPLEXECELLE**
[72] FRIANEZA-KULLBERG, TERESITA, US
[73] NANO ONE MATERIALS CORP., CA
[85] 2015-09-11
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[25] EN
[54] **OPTIMIZING THE PLACEMENT OF CLUSTERED TEXTURAL ANNOTATIONS**
[54] **OPTIMISATION DU PLACEMENT D'ANNOTATIONS TEXTURALES GROUPEES**
[72] SCHEERS, MARGARET O'BRIEN, US
[72] UDALL, JEANNE, US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2015-09-14
[86] 2013-04-29 (PCT/US2013/038602)
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[25] EN
[54] **MICROWAVE COMMUNICATION SYSTEM FOR DOWNHOLE DRILLING**
[54] **SYSTEME DE COMMUNICATION A MICRO-ONDES POUR UN FORAGE DE FOND DE TROU**
[72] BUTNER, WAYNE M., CA
[72] SANDERS, MICHAEL P., US
[73] ALTAN TECHNOLOGIES INC., CA
[85] 2015-09-21
[86] 2014-03-20 (PCT/CA2014/050299)
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[13] C
[51] **Int.Cl. H04L 12/28 (2006.01) H04L 29/10 (2006.01)**
[25] EN
[54] **LINK TRAINING AND TRAINING FRAME FOR 100GBPS ETHERNET**
[54] **APPRENTISSAGE DE LIAISON ET TRAME D'APPRENTISSAGE POUR ETHERNET 100 GBPS**
[72] LUSTED, KENT C., US
[72] RAN, ADEE O., IL
[73] INTEL CORPORATION, US
[85] 2015-10-02
[86] 2013-06-05 (PCT/US2013/044369)
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[30] US (13/531,145) 2012-06-22

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[51] **Int.Cl. H04B 7/185 (2006.01) H03H 7/46 (2006.01) H03H 17/02 (2006.01)**
[25] EN
[54] **DEMULTIPLEXING APPARATUS, MULTIPLEXING APPARATUS, AND RELAY APPARATUS**
[54] **DISPOSITIF DE DEMULTIPLEXAGE, DISPOSITIF DE MULTIPLEXAGE ET DISPOSITIF RELAIS**
[72] FUJIMURA, AKINORI, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2015-10-07
[86] 2013-04-18 (PCT/JP2013/002622)
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[25] EN
[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**
[54] **DISPOSITIF DE PRELEVEMENT DE FLUIDE BIOLOGIQUE ET SYSTEME D'ANALYSE ET DE SEPARATION DE FLUIDE BIOLOGIQUE**
[72] GELFAND, CRAIG A., US
[72] ROTHENBERG, ASHLEY RACHEL, US
[72] WILKINSON, BRADLEY M., US
[72] MARCHIARULLO, DANIEL J., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-10-09
[86] 2014-04-14 (PCT/US2014/033926)
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[30] US (61/811,918) 2013-04-15

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[25] EN
[54] **BIOLOGICAL FLUID COLLECTION DEVICE AND BIOLOGICAL FLUID SEPARATION AND TESTING SYSTEM**
[54] **DISPOSITIF DE COLLECTE DE FLUIDE BIOLOGIQUE ET SYSTEME DE SEPARATION ET D'ANALYSE DE FLUIDE BIOLOGIQUE**
[72] ELLIS, ROBERT G., US
[72] WILKINSON, BRADLEY M., US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2015-10-09
[86] 2014-04-14 (PCT/US2014/033927)
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[13] C
[51] **Int.Cl. B01D 33/09 (2006.01) B01D 33/46 (2006.01)**
[25] EN
[54] **DYNAMIC DEWATERING SYSTEM**
[54] **SYSTEME DE DESHYDRATATION DYNAMIQUE**
[72] VETTE, PAUL, US
[73] VETTE, PAUL, US
[85] 2015-10-14
[86] 2014-04-14 (PCT/US2014/033963)
[87] (WO2014/176057)
[30] US (61/814,367) 2013-04-22

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[13] C
[51] **Int.Cl. H01M 8/04089 (2016.01) H01M 8/04746 (2016.01)**
[25] EN
[54] **VALVE CONTROL APPARATUS AND VALVE CONTROL METHOD**
[54] **APPAREIL DE CONTROLE DE VANNE ET METHODE DE CONTROLE DE VANNE**
[72] SUZUKI, HIROYUKI, JP
[72] YAMANAKA, TOMIO, JP
[72] NAGANUMA, YOSHIAKI, JP
[72] NADA, MITSUHIRO, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2909843)
[87] (2909843)
[22] 2015-10-22
[30] JP (2014-230656) 2014-11-13

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[51] **Int.Cl. G01N 33/12 (2006.01) A22C 17/00 (2006.01) G01N 23/02 (2006.01)**
[25] EN
[54] **MEAT PROCESSING DEVICE INCORPORATING AN X-RAY ANALYZER**
[54] **DISPOSITIF DE TRANSFORMATION DES VIANDES INTEGRANT UN ANALYSEUR A RAYONS X**
[72] ELSOEE, MAJA KIRSTINE, DK
[72] LARSEN, HANS, DK
[72] LINN, STEFAN, DE
[72] KJAERGAARD JENSEN, ALLAN, DK
[73] FOSS ANALYTICAL A/S, DK
[85] 2015-10-23
[86] 2013-07-11 (PCT/EP2013/064712)
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[13] C
[51] **Int.Cl. G01N 21/84 (2006.01) G01N 21/64 (2006.01) G01N 27/02 (2006.01) G01N 27/327 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETECTING AN ANALYTE IN A BODY FLUID**
[54] **PROCEDE ET SYSTEME DE DETECTION D'ANALYTE DANS UN FLUIDE CORPOREL**
[72] BAUER-ESPINDOLA, KLAUS ANDREAS, DE
[72] HORN, CARINA, DE
[72] MARQUANT, MICHAEL, DE
[72] NORTMEYER, CHRISTINE, DE
[72] UNKRIG, VOLKER, DE
[73] F. HOFFMANN-LA ROCHE AG, CH
[85] 2015-10-26
[86] 2014-02-24 (PCT/EP2014/053517)
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[30] EP (13171208.5) 2013-06-10

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[51] **Int.Cl. H01M 8/2465 (2016.01) H01M 8/0202 (2016.01) H01M 2/30 (2006.01)**
[25] EN
[54] **FUEL CELL STACK**
[54] **EMPILEMENT DE PILES A COMBUSTIBLE**
[72] KANNO, DAISUKE, JP
[72] YOSHIDA, MAKOTO, JP
[72] YOSHIZUMI, TOMOO, JP
[72] MORIMOTO, YU, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2911734)
[87] (2911734)
[22] 2015-11-10
[30] JP (2014-231689) 2014-11-14

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[51] **Int.Cl. H04L 12/911 (2013.01) H04L 12/741 (2013.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SCHEDULING DATA MESSAGE IN PON AND EOC NETWORKING, AND RELATED DEVICE**
[54] **PROCEDE ET SYSTEME D'ORDONNANCEMENT DE MESSAGES DE DONNEES POUR RESEAUX PON ET EOC, ET DISPOSITIF ASSOCIE**
[72] ZANG, MEIYAN, CN
[72] YUAN, LIQUAN, CN
[73] ZTE CORPORATION, CN
[85] 2015-11-09
[86] 2013-09-13 (PCT/CN2013/083510)
[87] (WO2014/183360)
[30] CN (201310186232.6) 2013-05-17

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[25] EN
[54] **METHOD FOR SYNTHESIZING OPTICALLY ACTIVE .ALPHA.-AMINO ACID USING CHIRAL METAL COMPLEX COMPRISING AXIALLY CHIRAL N-(2-ACYLARYL)-2-[5,7-DIHYDRO-6H-DIBENZO[C,E]AZEPIN-6-YL]ACETAMIDECOMPOUND AND AMINO ACID**
[54] **METHODE DE SYNTHESE D'ACIDE AMINE ALPHA ACTIF OPTIQUEMENT AU MOYEN DE COMPLEXE METALLIQUE CHIRAL RENFERMANT UN COMPOSE ACETAMIDE N-(2-ACYLARYL)-2-[5,7-DIHYDRO-6H-DIBENZO[C,E]AZEPINE-6-YL CHIRAL AXIAL ET UN ACIDE AMINE**
[72] MORIWAKI, HIROKI, JP
[72] KAWASHIMA, AKI, JP
[72] TAKEDA, RYOSUKE, JP
[72] KAWAMURA, AKIE, JP
[72] SOLOSHONOK, VADIM A., US
[73] HAMARI CHEMICALS, LTD., JP
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[87] (WO2014/188783)
[30] JP (2013-110171) 2013-05-24

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[51] **Int.Cl. H04L 29/06 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **SELECTIVELY PERFORMING MAN IN THE MIDDLE DECRYPTION**
[54] **EXECUTION DE MANIERE SELECTIVE D'UN MAN DANS LE DECHIFFREMENT CENTRAL**
[72] MARTINI, PAUL MICHAEL, US
[73] IBOSS, INC., US
[85] 2015-11-16
[86] 2014-05-22 (PCT/US2014/039231)
[87] (WO2015/023336)
[30] US (13/901,515) 2013-05-23

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[13] C
[51] **Int.Cl. G06F 3/0488 (2013.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01)**
[25] EN
[54] **GESTURE TO FACILITATE PAYMENTS FROM A MOBILE DEVICE**
[54] **GESTE VISANT A FACILITER LES PAIEMENTS A PARTIR D'UN APPAREIL MOBILE**
[72] GURA, RON, US
[72] BAR, MATANYA, US
[72] DICKMAN, EREZ, US
[73] EBAY INC., US
[85] 2015-11-17
[86] 2014-05-06 (PCT/US2014/036978)
[87] (WO2014/193614)
[30] US (61/828,567) 2013-05-29
[30] US (14/084,317) 2013-11-19

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[13] C
[51] **Int.Cl. B29C 70/54 (2006.01) B29D 99/00 (2010.01) B29C 70/38 (2006.01)**
[25] EN
[54] **ROTOR BLADE MANUFACTURING ARRANGEMENT**
[54] **AGENCEMENT DE FABRICATION DE PALE DE ROTOR**
[72] SCHIBSBYE, KARSTEN, DK
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2015-11-27
[86] 2014-05-28 (PCT/EP2014/001454)
[87] (WO2014/191112)
[30] EP (13170098.1) 2013-05-31

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[13] C
[51] **Int.Cl. E05C 5/02 (2006.01) E05C 19/00 (2006.01)**
[25] EN
[54] **ADJUSTABLE DOOR LOCK AND ASSOCIATED METHOD**
[54] **VERROU DE PORTE REGLABLE ET PROCEDE ASSOCIE**
[72] STILE, JASON L., US
[73] STILE, JASON L., US
[85] 2015-11-27
[86] 2013-10-05 (PCT/US2013/063602)
[87] (WO2015/050564)
[30] US (14/046,964) 2013-10-05

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[51] **Int.Cl. F24C 15/02 (2006.01)**
[25] EN
[54] **KITCHEN OVEN**
[54] **FOUR POUR CUISINE**
[72] DENG, ERIC, US
[72] MOY, CHRIS, US
[73] HESTAN COMMERCIAL CORPORATION, US
[86] (2915048)
[87] (2915048)
[22] 2015-12-14
[30] US (62/091,237) 2014-12-12

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[51] **Int.Cl. A61F 13/532 (2006.01) A61F 13/537 (2006.01)**
[25] EN
[54] **ABSORBENT ARTICLE AND ABSORBENT CORE FORMING CHANNELS WHEN WET**
[54] **ARTICLE ABSORBANT ET NOYAU ABSORBANT FORMANT DES CANAUX UNE FOIS MOUILLE**
[72] BIANCHI, ERNESTO GABRIEL, DE
[72] EHRNSPERGER, BRUNO JOHANNES, DE
[72] HOLLENBERG, DORIS, DE
[72] RINNERT, THORSTEN, DE
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-12-11
[86] 2014-06-05 (PCT/US2014/041059)
[87] (WO2014/200794)
[30] EP (13172113.6) 2013-06-14
[30] EP (14167432.5) 2014-05-07

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[13] C
[51] **Int.Cl. A61K 8/02 (2006.01) A61Q 19/10 (2006.01)**
[25] EN
[54] **PERSONAL CARE COMPOSITIONS AND ARTICLES**
[54] **COMPOSITIONS ET ARTICLES DE SOIN PERSONNEL**
[72] MCCONAUGHY, SHAWN DAVID, US
[72] SMITH, EDWARD DEWEY, III, US
[72] KAVALEW, DALE GARY, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2015-12-18
[86] 2014-06-26 (PCT/US2014/044206)
[87] (WO2014/210231)
[30] US (61/840,084) 2013-06-27
[30] US (61/840,157) 2013-06-27
[30] US (61/840,120) 2013-06-27
[30] US (61/886,502) 2013-10-03
[30] US (61/886,508) 2013-10-03
[30] US (61/918,739) 2013-12-20

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[13] C
[51] **Int.Cl. H01M 10/0525 (2010.01) H01M 4/1315 (2010.01) H01M 4/136 (2010.01) H01M 10/056 (2010.01) H01M 10/0585 (2010.01)**
[25] EN
[54] **LITHIUM ION SECONDARY BATTERY, AND METHOD OF MANUFACTURING LITHIUM ION SECONDARY BATTERY**
[54] **PILE SECONDAIRE AU LITHIUM-ION ET METHODE DE FABRICATION D'UNE PILE SECONDAIRE AU LITHIUM-ION**
[72] MIURA, TAKASHI, JP
[72] KITAYOSHI, MASANORI, JP
[72] YAMAZAKI, NOBUYUKI, JP
[73] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[86] (2917521)
[87] (2917521)
[22] 2016-01-13
[30] JP (2015-004705) 2015-01-14
[30] JP (2015-084705) 2015-04-17

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[13] C
[51] **Int.Cl. A61F 13/00 (2006.01) A61F 13/04 (2006.01) A61F 13/06 (2006.01) A61H 1/00 (2006.01) A61F 5/01 (2006.01)**
[25] EN
[54] **GRADUATED COMPRESSION DEVICE FOR THE TREATMENT OF CIRCULATORY DISORDERS**
[54] **DISPOSITIF DE COMPRESSION GRADUE DESTINE AU TRAITEMENT DE TROUBLES CIRCULATOIRES**
[72] RICHARDSON, THOMAS, US
[72] LIPSHAW, MOSES A., US
[73] CIRCAID MEDICAL PRODUCTS, INC., US
[85] 2016-01-08
[86] 2014-07-15 (PCT/US2014/046736)
[87] (WO2015/009747)
[30] US (13/943,937) 2013-07-17

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[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) G10L 19/20 (2013.01)**
[25] EN
[54] **MULTI-CHANNEL AUDIO DECODER, MULTI-CHANNEL AUDIO ENCODER, METHODS AND COMPUTER PROGRAM USING A RESIDUAL-SIGNAL-BASED ADJUSTMENT OF A CONTRIBUTION OF A DECORRELATED SIGNAL**
[54] **DECODEUR AUDIO MULTICANAL, CODEUR AUDIO MULTICANAL, PROCEDES ET PROGRAMME D'ORDINATEUR UTILISANT UN REGLAGE A BASE DE SIGNAL RESIDUEL D'UNE CONTRIBUTION D'UN SIGNAL DECORRELE**
[72] DICK, SASCHA, DE
[72] HELMRICH, CHRISTIAN, DE
[72] HILPERT, JOHANNES, DE
[72] HOLZER, ANDREAS, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-01-21
[86] 2014-07-17 (PCT/EP2014/065416)
[87] (WO2015/011020)
[30] EP (13177375.6) 2013-07-22
[30] EP (13189309.1) 2013-10-18

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[13] C
[51] **Int.Cl. G06T 1/00 (2006.01) G06T 15/00 (2011.01)**
[25] EN
[54] **GLOBAL GRID BUILDING IN REVERSE FAULTED AREAS BY AN OPTIMIZED UNFAULTING METHOD**
[54] **CONSTRUCTION DE GRILLE GLOBALE DANS DES ZONES A FAILLE INVERSE PAR UN PROCEDE DE SUPPRESSION DE FAILLES OPTIMISE**
[72] XU, ZITAO, US
[72] SHI, GENBAO, US
[72] CHIEN, CHIKANG DAVID, US
[72] YARUS, JEFFREY, US
[72] CHAMBERS, RICHARD L., US
[73] LANDMARK GRAPHICS CORPORATION, US
[85] 2016-01-21
[86] 2013-09-03 (PCT/US2013/057830)
[87] (WO2015/034464)

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[13] C
[51] **Int.Cl. A61G 7/10 (2006.01) A61G 7/12 (2006.01)**
[25] EN
[54] **TRANSFER DEVICE**
[54] **DISPOSITIF DE TRANSFERT**
[72] MASAKI, SADAO, JP
[73] KYOWA AUGMENT INC., CN
[85] 2016-02-19
[86] 2015-12-03 (PCT/JP2015/084026)
[87] (WO2016/098609)
[30] JP (2014-252640) 2014-12-15

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[51] **Int.Cl. A01K 79/00 (2006.01) A01K 97/00 (2006.01)**
[25] EN
[54] **WEARABLE DEVICE FOR FISHING**
[54] **DISPOSITIF PORTATIF POUR LA PECHE**
[72] BAILEY, PAUL ROBERT, NZ
[73] NAVICO HOLDING AS, NO
[85] 2016-02-12
[86] 2014-08-20 (PCT/IB2014/063973)
[87] (WO2015/025270)
[30] US (61/868,444) 2013-08-21
[30] US (14/032,319) 2013-09-20

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[51] **Int.Cl. F16L 15/04 (2006.01)**
[25] EN
[54] **THREADED CONNECTION FOR STEEL PIPE**
[54] **RACCORD FILETE POUR TUYAU EN ACIER**
[72] SUGINO, MASAAKI, JP
[72] YAMAMOTO, TATSUYA, JP
[72] NISHIKAWA, YUKIHIRO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[73] VALLOUREC OIL AND GAS FRANCE, FR
[85] 2016-02-15
[86] 2014-09-04 (PCT/JP2014/073318)
[87] (WO2015/033997)
[30] JP (2013-184717) 2013-09-06

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[13] C
[51] **Int.Cl. A61K 31/22 (2006.01) A61K 31/20 (2006.01) A61P 19/00 (2006.01) A61P 19/02 (2006.01)**
[25] EN
[54] **COMPOSITIONS CONTAINING MONOACETYLDIACYLGLYCEROL COMPOUND AS AN ACTIVE INDREDIENT FOR PREVENTING OR TREATING RHEUMATOID ARTHRITIS**
[54] **COMPOSITION CONTENANT UN COMPOSE MONOACETYLDIGLYCERIDE EN TANT QUE PRINCIPE ACTIF POUR LA PREVENTION OU LE TRAITEMENT DE L'ARTHRITE RHUMATOIDE**
[72] KIM, JAE WHA, KR
[72] OH, SEI RYANG, KR
[72] AHN, KYUNG SEOP, KR
[72] KANG, HO BUM, KR
[72] PARK, BEOM SU, KR
[72] KANG, JONG KOO, KR
[72] JUNG, YOUNG SIK, KR
[72] SOHN, KI-YOUNG, KR
[73] KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY, KR
[73] ENZYCHEM LIFESCIENCES CORPORATION, KR
[85] 2016-02-18
[86] 2014-08-18 (PCT/KR2014/007631)
[87] (WO2015/026114)
[30] KR (10-2013-0098186) 2013-08-19

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[13] C
[51] **Int.Cl. F01L 1/255 (2006.01)**
[25] EN
[54] **HYDRAULIC LASH ADJUSTER**
[54] **DISPOSITIF HYDRAULIQUE DE RATTRAPAGE DE JEU**
[72] KUBOTA, YUKIO, JP
[73] NITTAN VALVE CO., LTD., JP
[85] 2016-02-19
[86] 2013-08-21 (PCT/JP2013/072315)
[87] (WO2015/025385)

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[13] C
[51] **Int.Cl. E21B 43/22 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **CONTROLLING AN INJECTION TREATMENT OF A SUBTERRANEAN REGION BASED ON STRIDE TEST DATA**
[54] **COMMANDE DE TRAITEMENT PAR INJECTION D'UNE REGION SOUTERRAINE SUR LA BASE DE DONNEES DE TEST D'AVANCEE**
[72] WALTERS, HAROLD GRAYSON, US
[72] DUSTERHOFT, RONALD GLEN, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-02-25
[86] 2014-08-22 (PCT/US2014/052365)
[87] (WO2015/041800)
[30] US (14/029,322) 2013-09-17

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[51] **Int.Cl. E21B 49/08 (2006.01) E21B 47/01 (2012.01) G01N 21/17 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MEASURING DOWNHOLE FLUID CHARACTERISTICS IN DRILLING FLUIDS**
[54] **SYSTEMES ET PROCEDES POUR MESURER DES CARACTERISTIQUES DE FLUIDE DE FOND DANS DES FLUIDES DE FORAGE**
[72] JAMISON, DALE E., US
[72] MCDANIEL, CATO RUSSELL, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-02
[86] 2013-10-09 (PCT/US2013/063980)
[87] (WO2015/053759)

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[51] **Int.Cl. G01N 21/45 (2006.01) G01B 11/00 (2006.01) G01V 8/16 (2006.01)**
[25] EN
[54] **POWER LIMITING METHODS USING STIMULATED BRILLOUIN SCATTERING IN FIBER OPTIC WAVEGUIDES**
[54] **METHODES DE LIMITATION DE PUISSANCE AU MOYEN DE LA DISPERSION BRILLOUIN STIMULEE DANS LES GUIDES D'ONDE A FIBRE OPTIQUE**
[72] BARFOOT, DAVID ANDREW, US
[72] MAIDA, JOHN L., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-04
[86] 2013-10-07 (PCT/US2013/063638)
[87] (WO2015/053736)

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[51] **Int.Cl. A47L 15/00 (2006.01) A61G 9/02 (2006.01) D06F 33/02 (2006.01) D06F 39/08 (2006.01)**
[25] EN
[54] **METHOD FOR CALIBRATING A CLEANING DEVICE**
[54] **PROCEDE PERMETTANT L'ETALONNAGE D'UN DISPOSITIF DE NETTOYAGE**
[72] PEUKERT, THOMAS, DE
[72] WIEGAND, INGO, DE
[73] MEIKO MASCHINENBAU GMBH & CO. KG, DE
[85] 2016-03-07
[86] 2014-09-30 (PCT/EP2014/070914)
[87] (WO2015/049228)
[30] DE (10 2013 220 035.8) 2013-10-02

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[51] **Int.Cl. B08B 5/02 (2006.01)**
[25] EN
[54] **FOREIGN MATTER REMOVING APPARATUS AT TRACK BRANCH, AND NOZZLE USED IN THE SAME**
[54] **DISPOSITIF DE RETRAIT DE CORPS ETRANGERS POUR SECTION DE VOIE D'EMBRANCHEMENT ET BUSE UTILISEE POUR CELUI-CI**
[72] SEKIHARA, TAKANORI, JP
[72] SATO, MASAFUMI, JP
[72] CHIBA, JUNICHI, JP
[72] TAKAHASHI, SHIGERU, JP
[72] SATO, JUN, JP
[72] KIGAMI, SHOGO, JP
[72] SUZUKI, TAKUYA, JP
[73] NABTESCO CORPORATION, JP
[86] (2923578)
[87] (2923578)
[22] 2012-07-26
[62] 2,842,890
[30] JP (2011-163335) 2011-07-26
[30] JP (2011-163601) 2011-07-26

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[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **SOFTWARE CODE SIGNING SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE DE SIGNATURE PAR CODE**
[72] YACH, DAVID P., CA
[72] BROWN, MICHAEL S., CA
[72] LITTLE, HERBERT A., CA
[73] BLACKBERRY LIMITED, CA
[86] (2923740)
[87] (2923740)
[22] 2001-09-20
[62] 2,422,917
[30] US (60/234,152) 2000-09-21
[30] US (60/235,354) 2000-09-26
[30] US (60/270,663) 2001-02-20

[11] 2,923,754
[13] C
[51] **Int.Cl. G10L 19/008 (2013.01) H04S 3/00 (2006.01)**
[25] EN
[54] **RENDERING OF MULTICHANNEL AUDIO USING INTERPOLATED MATRICES**
[54] **RENDU D'UN SIGNAL AUDIO MULTICANAL A L'AIDE DE MATRICES INTERPOLEES**
[72] LAW, MALCOLM J., GB
[72] MELKOTE, VINAY, US
[72] WILSON, RHONDA, US
[72] PLAIN, SIMON, US
[72] JASPAR, ANDY, US
[73] DOLBY LABORATORIES LICENSING CORPORATION, US
[85] 2016-03-08
[86] 2014-09-26 (PCT/US2014/057611)
[87] (WO2015/048387)
[30] US (61/883,890) 2013-09-27

[11] 2,924,432
[13] C
[51] **Int.Cl. C01B 21/086 (2006.01) H01M 10/0568 (2010.01) C07C 311/48 (2006.01) H01B 13/00 (2006.01)**
[25] EN
[54] **GRANULES OR POWDER OF DISULFONYLAMIDE SALT AND METHOD FOR PRODUCING SAME**
[54] **GRANULES OU POUDRE DE SEL DISULFONYLAMIDE ET PROCEDE DE PRODUCTION ASSOCIE**
[72] TSUBOKURA, SHIRO, JP
[72] AIURA, YASUYUKI, JP
[73] NIPPON SODA CO., LTD., JP
[85] 2016-03-15
[86] 2014-10-31 (PCT/JP2014/079054)
[87] (WO2015/072353)
[30] JP (2013-237991) 2013-11-18

[11] 2,924,639
[13] C
[51] **Int.Cl. E21B 21/08 (2006.01) E21B 21/10 (2006.01)**
[25] EN
[54] **HYDRAULIC CONTROL OF BOREHOLE TOOL DEPLOYMENT**
[54] **COMMANDE HYDRAULIQUE DE DEPLOIEMENT D'OUTIL DE TROU DE FORAGE**
[72] GALLEY, THOMAS PAUL, US
[72] WINSLOW, DANIEL M., US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-03-17
[86] 2013-10-31 (PCT/US2013/067865)
[87] (WO2015/065452)

[11] 2,924,737
[13] C
[51] **Int.Cl. G06Q 20/20 (2012.01) G07F 7/08 (2006.01)**
[25] EN
[54] **METHOD TO OPERATE A CONTACTLESS MOBILE DEVICE AS A LOW COST SECURED POINT-OF-SALE**
[54] **PROCEDE D'UTILISATION D'UN DISPOSITIF MOBILE SANS CONTACT COMME POINT DE VENTE SECURISE A MOINDRE COUT**
[72] CHENE, GILLES, FR
[73] GEMALTO SA, FR
[85] 2016-03-17
[86] 2014-10-24 (PCT/EP2014/072829)
[87] (WO2015/074826)
[30] EP (13306588.8) 2013-11-21

[11] 2,924,852
[13] C
[51] **Int.Cl. B65D 5/18 (2006.01)**
[25] EN
[54] **FOOD CONTAINER WITH INTEGRAL CONDIMENT CUP**
[54] **CONTENANT ALIMENTAIRE DOTE D'UN GOBELET A CONDIMENT INTEGRE**
[72] GALLIMORE, GAMILA, CA
[73] GALLIGREEN CORPORATION, CA
[86] (2924852)
[87] (2924852)
[22] 2016-03-23
[30] US (62/243,884) 2015-10-20

[11] 2,925,734
[13] C
[51] **Int.Cl. G10L 19/00 (2013.01) G10L 19/032 (2013.01) H03M 7/40 (2006.01)**
[25] EN
[54] **CODING OF SPECTRAL COEFFICIENTS OF A SPECTRUM OF AN AUDIO SIGNAL**
[54] **CODAGE DE COEFFICIENTS SPECTRAUX D'UN SPECTRE D'UN SIGNAL AUDIO**
[72] FUCHS, GUILLAUME, DE
[72] NEUSINGER, MATTHIAS, DE
[72] MULTRUS, MARKUS, DE
[72] DOEHLA, STEFAN, DE
[73] FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V., DE
[85] 2016-03-30
[86] 2014-10-17 (PCT/EP2014/072290)
[87] (WO2015/055800)
[30] EP (13189391.9) 2013-10-18
[30] EP (14178806.7) 2014-07-28

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[13] C
[51] **Int.Cl. A61M 11/02 (2006.01) A61M 5/155 (2006.01) A61M 5/20 (2006.01) A61M 35/00 (2006.01) A61M 37/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC AGENTS FOR DELIVERY USING A CATHETER AND PRESSURE SOURCE**
[54] **AGENTS THERAPEUTIQUES A ADMINISTRER A L'AIDE D'UN CATHETER ET D'UNE SOURCE DE PRESSION**
[72] GITTARD, SHAUN D., US
[73] COOK MEDICAL TECHNOLOGIES LLC, US
[85] 2016-03-30
[86] 2014-09-29 (PCT/US2014/058016)
[87] (WO2015/050814)
[30] US (14/044,040) 2013-10-02

[11] **2,926,041**
[13] C
[51] **Int.Cl. D01D 1/10 (2006.01)**
[25] EN
[54] **A COMBINED DEGASSING METHOD FOR HIGH-VISCOSITY PURE-CHITOSAN SPINNING SOLUTIONS**
[54] **UNE METHODE DE DEGAZAGE COMBINE DESTINEE A DES SOLUTIONS DE FILAGE AU CHITOSAN PUR A VISCOSITE ELEVEE**
[72] ZHOU, JIACUN, CN
[72] HU, GUANGMIN, CN
[73] HISMER BIO-TECHNOLOGY CO., LTD., CN
[85] 2016-03-29
[86] 2014-09-01 (PCT/CN2014/085696)
[87] (WO2015/027957)
[30] CN (201310391868.4) 2013-09-02

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[13] C
[51] **Int.Cl. F02M 25/08 (2006.01) B01D 53/02 (2006.01) F01N 3/08 (2006.01)**
[25] EN
[54] **EVAPORATIVE FUEL VAPOR EMISSION CONTROL SYSTEMS**
[54] **SYSTEMES DE REGULATION DES EMISSIONS DE VAPEURS DE CARBURANT PAR EVAPORATION**
[72] HILTZIK, LAURENCE H., US
[72] MCCRAE, PETER D., US
[72] MILLER, JAMES R., US
[72] WILLIAMS, ROGER S., US
[73] INGEVITY SOUTH CAROLINA, LLC, US
[85] 2016-04-08
[86] 2014-04-09 (PCT/US2014/033565)
[87] (WO2015/053815)
[30] US (PCT/US13/64407) 2013-10-10

[11] **2,927,080**
[13] C
[51] **Int.Cl. E21B 43/26 (2006.01) E21B 33/12 (2006.01)**
[25] EN
[54] **PLUG FOR WELL DRILLING**
[54] **BOUCHON POUR UN FORAGE DE PUITS**
[72] OKURA, MASAYUKI, JP
[72] TAKAHASHI, TAKEO, JP
[73] KUREHA CORPORATION, JP
[85] 2016-04-12
[86] 2014-10-20 (PCT/JP2014/077831)
[87] (WO2015/060246)
[30] JP (2013-220223) 2013-10-23

[11] **2,927,115**
[13] C
[51] **Int.Cl. B64D 11/06 (2006.01)**
[25] EN
[54] **INDEPENDENTLY ARTICULATING SEAT PAN FOR AIRCRAFT SEAT**
[54] **BAQUET ARTICULE INDEPENDAMMENT DE SIEGE D'AERONEF**
[72] MEISTER, PETER C., US
[72] MAHABALESHWARA, ARAVINDA, IN
[73] B/E AEROSPACE, INC., US
[85] 2016-04-11
[86] 2014-10-20 (PCT/US2014/061376)
[87] (WO2015/061218)
[30] US (61/893,493) 2013-10-21

[11] **2,927,783**
[13] C
[51] **Int.Cl. A61M 5/31 (2006.01) A61M 5/315 (2006.01) C08L 23/28 (2006.01) C08L 27/18 (2006.01) C08L 101/12 (2006.01)**
[25] EN
[54] **LEAK-FREE STOPPER FOR A SYRINGE ASSEMBLY HAVING LOW BREAKLOOSE AND SUSTAINING FORCES**
[54] **BOUCHON ETANCHE POUR ENSEMBLE SERINGUE A FAIBLES FORCES DE DECOLLEMENT ET DE RETENUE**
[72] PRASAD, SHISHIR, US
[72] COJOCARIU, GHEORGHE, US
[72] KALIYAMOORTHY, SATHYA, US
[72] SMITH, CHAD, US
[72] KULSHRESTHA, ANKUR, US
[72] GIDDES, RICHARD G., US
[72] BONCZYNSKI, GERALD, US
[72] ADDAE-MENSAH, KWEKU, US
[73] BECTON, DICKINSON AND COMPANY, US
[85] 2016-04-15
[86] 2014-10-28 (PCT/US2014/062524)
[87] (WO2015/065942)
[30] US (61/896,332) 2013-10-28

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[13] C
[51] **Int.Cl. B23Q 1/32 (2006.01) B21H 3/08 (2006.01) B23G 3/08 (2006.01) B23G 7/00 (2006.01) B23Q 1/01 (2006.01) B23Q 5/34 (2006.01) F02D 15/02 (2006.01) F16H 21/20 (2006.01)**
[25] EN
[54] **R-.THETA. TABLE DEVICE AND INTERNAL-THREAD PROCESSING DEVICE**
[54] **DISPOSITIF DE TABLE R-THETA, DISPOSITIF DE TRAITEMENT DE FIL INTERNE**
[72] AOYAMA, SUSUMU, JP
[72] AOYAMA, TSUYOSHI, JP
[73] M. H. CENTER LIMITED, JP
[85] 2016-04-18
[86] 2014-07-30 (PCT/JP2014/004010)
[87] (WO2015/056375)
[30] JP (2013-216072) 2013-10-17
[30] JP (2014-085580) 2014-04-17

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[13] C
[51] **Int.Cl. B60N 2/07 (2006.01) B60N 2/06 (2006.01) B64D 11/06 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR ADJUSTING THE SPACING OF VEHICLE SEATS BASED ON THE SIZE OF THE OCCUPANT**
[54] **PROCEDE ET APPAREIL D'AJUSTEMENT DE L'ESPACEMENT DE SIEGES DE VEHICULE SUR LA BASE DE LA TAILLE DE L'OCCUPANT**
[72] FINLAY, TRAVIS K., US
[72] JOHNSON, GLENN ALLEN, US
[72] VIGNAL, PIERRE J., US
[73] B/E AEROSPACE, INC., US
[85] 2016-04-18
[86] 2014-11-20 (PCT/US2014/066641)
[87] (WO2015/080944)
[30] US (61/909,455) 2013-11-27
[30] US (14/547,932) 2014-11-19

[11] **2,928,094**
[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **ADJUSTABLE HEART VALVE IMPLANT**
[54] **IMPLANT DE VALVE CARDIAQUE AJUSTABLE**
[72] COLEMAN, JAMES E., IE
[72] CUMMINS, CHRISTY, IR
[73] COLEMAN, JAMES E., IE
[73] CUMMINS, CHRISTY, IE
[85] 2016-04-20
[86] 2014-11-20 (PCT/EP2014/075162)
[87] (WO2015/075128)
[30] US (61/906,727) 2013-11-20
[30] US (14/541,601) 2014-11-14

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[13] C
[51] **Int.Cl. E21B 33/138 (2006.01)**
[25] EN
[54] **FIBROUS BARRIERS AND DEPLOYMENT IN SUBTERRANEAN WELLS**
[54] **BARRIERES FIBREUSES ET DEPLOIEMENT DANS LES PUITS SOUTERRAINS**
[72] WATSON, BROCK W., US
[72] FUNKHOUSER, GARY P., US
[72] SCHULTZ, ROGER L., US
[73] THRU TUBING SOLUTIONS, INC., US
[86] (2928237)
[87] (2928237)
[22] 2016-04-26
[30] US (62/243,444) 2015-10-19
[30] US (62/195,078) 2015-07-21
[30] US (PCT/US15/38248) 2015-06-29
[30] US (14/698,578) 2015-04-28

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[13] C
[51] **Int.Cl. B25C 1/00 (2006.01)**
[25] EN
[54] **FASTENER-DRIVING TOOL INCLUDING A REVERSION TRIGGER WITH A DAMPER**
[54] **OUTIL D'ENTRAINEMENT D'ELEMENT DE FIXATION COMPRENANT UN DECLENCHEUR D'INVERSION AVEC UN AMORTISSEUR**
[72] PUPPALA, MADHAV SAI, US
[72] MOORE, STEPHEN P., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-04-22
[86] 2014-11-06 (PCT/US2014/064296)
[87] (WO2015/094504)
[30] US (14/109,671) 2013-12-17

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[13] C
[51] **Int.Cl. A63B 63/00 (2006.01)**
[25] EN
[54] **GOAL POST RETENTION DEVICE**
[54] **DISPOSITIF DE RETENUE DE POTEAU DE BUT**
[72] CORBETT, ROBERT, US
[73] BRIKWALL GOALIE PRODUCTS, US
[86] (2928586)
[87] (2928586)
[22] 2016-05-02
[30] US (14/966,670) 2015-12-11

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[13] C
[51] **Int.Cl. C10B 47/30 (2006.01) F27B 7/02 (2006.01) F27B 7/08 (2006.01) F27B 7/42 (2006.01)**
[25] EN
[54] **EXTERNALLY HEATED CARBONIZATION FURNACE**
[54] **FOUR DE CARBONISATION CHAUFFE DE FACON EXTERNE**
[72] ENDOU, YUUKI, JP
[72] YAMAMOTO, HIROTAMI, JP
[72] ISHIKAWA, KEIICHI, JP
[72] KOIZUMI, RYOSUKE, JP
[73] MITSUBISHI HEAVY INDUSTRIES ENVIRONMENTAL & CHEMICAL ENGINEERING CO., LTD., JP
[85] 2016-04-26
[86] 2014-11-11 (PCT/JP2014/079850)
[87] (WO2015/072453)
[30] JP (2013-235126) 2013-11-13

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[13] C
[51] **Int.Cl. B23K 9/29 (2006.01) B21D 3/16 (2006.01) B21D 41/02 (2006.01)**
[25] EN
[54] **NOZZLE INSERT FOR AN ARC WELDING APPARATUS, WITH AN INTERNAL GAS DIVERTER**
[54] **GARNITURE INTERIEURE POUR APPAREIL DE SOUDURE A L'ARC**
[72] HASSAN, KHALID, US
[73] VICTOR EQUIPMENT COMPANY, US
[85] 2016-04-26
[86] 2014-11-13 (PCT/US2014/065566)
[87] (WO2015/073738)
[30] US (61/903,950) 2013-11-13
[30] US (62/053,784) 2014-09-22

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[13] C
[51] **Int.Cl. B23K 9/29 (2006.01)**
[25] EN
[54] **POSITIONING SYSTEM AND METHOD FOR ARC WELDING CONSUMABLES**
[54] **SYSTEME ET PROCEDE DE POSITIONNEMENT POUR CONSOMMABLES DE SOUDAGE A L'ARC**
[72] HASSAN, KHALID, US
[72] REDDING, GLENN K., US
[73] VICTOR EQUIPMENT COMPANY, US
[85] 2016-04-26
[86] 2014-11-13 (PCT/US2014/065346)
[87] (WO2015/073605)
[30] US (61/903,950) 2013-11-13
[30] US (62/053,784) 2014-09-22

[11] **2,929,182**
[13] C
[51] **Int.Cl. H04B 1/707 (2011.01)**
[25] EN
[54] **SPREADING SIGNAL GENERATING METHOD, GENERATING DEVICE, RECEIVING METHOD AND RECEIVING DEVICE**
[54] **PROCEDE DE GENERATION DE SIGNAL A ETALEMENT DU SPECTRE, APPAREIL DE GENERATION, PROCEDE DE RECEPTION ET APPAREIL DE RECEPTION**
[72] YAO, ZHENG, CN
[72] LU, MINGQUAN, CN
[73] TSINGHUA UNIVERSITY, CN
[85] 2016-04-29
[86] 2014-12-04 (PCT/CN2014/093023)
[87] (WO2015/070820)
[30] CN (201310655408.8) 2013-12-06

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[25] EN
[54] **UPDATING AN OPERATING SYSTEM**
[54] **MISE A JOUR D'UN SYSTEME D'EXPLOITATION**
[72] FONG-JONES, ELIZABETH SANDRA, US
[72] DREWRY, WILLIAM ALEXANDER, US
[73] GOOGLE LLC, US
[85] 2016-05-03
[86] 2014-12-05 (PCT/US2014/068780)
[87] (WO2015/085167)
[30] US (14/098,451) 2013-12-05

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[51] **Int.Cl. E03D 11/16 (2006.01)**
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[54] **CLOSET FLANGE SYSTEM FOR EXISTING INSTALLATION**
[54] **SYSTEME DE BRIDE DE SOL POUR INSTALLATION EXISTANTE**
[72] HUGHES, ALAN, US
[73] OATEY CO., US
[86] (2930239)
[87] (2930239)
[22] 2007-09-20
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[51] **Int.Cl. B23K 35/30 (2006.01) C22C 38/04 (2006.01) C22C 38/18 (2006.01)**
[25] EN
[54] **WELDING JOINT HAVING REMARKABLE IMPACT RESISTANCE AND ABRASION RESISTANCE**
[54] **JOINT SOUDE PRESENTANT UNE RESISTANCE AUX CHOCS ET UNE RESISTANCE A L'ABRASION REMARQUABLES**
[72] LEE, BONG-KEUN, KR
[72] HAN, IL-WOOK, KR
[72] LEE, SANG-CHUL, KR
[72] KIM, JEONG-KIL, KR
[72] LEE, DONG-RYEOL, KR
[72] KIM, GEUG, KR
[73] POSCO, KR
[85] 2016-05-11
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[87] (WO2015/083931)
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[51] **Int.Cl. H01L 51/00 (2006.01) H01L 51/42 (2006.01)**
[25] EN
[54] **PHOTOVOLTAIC SYSTEMS AND SPRAY COATING PROCESSES FOR PRODUCING PHOTOVOLTAIC SYSTEMS**
[54] **SYSTEMES PHOTOVOLTAIQUES ET PROCEDES DE REVETEMENT PAR PULVERISATION POUR PRODUIRE DES SYSTEMES PHOTOVOLTAIQUES**
[72] CARDONE, GIORGIO, IT
[72] CAGLIANI, MICHELA, IT
[72] BALLARINO, MAURIZIO, IT
[72] BRUNETTI, FRANCESCA, IT
[72] POLINO, GIUSEPPINA, IT
[72] DI CARLO, ALDO, IT
[73] PPG INDUSTRIES OHIO, INC., US
[85] 2016-05-11
[86] 2014-11-12 (PCT/US2014/065227)
[87] (WO2015/073542)
[30] US (61/902,836) 2013-11-12

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[51] **Int.Cl. G09B 19/24 (2006.01)**
[25] EN
[54] **WELDING SOFTWARE FOR DETECTION AND CONTROL OF DEVICES AND FOR ANALYSIS OF DATA**
[54] **LOGICIEL DE SOUDAGE POUR LA DETECTION ET LA COMMANDE DE DISPOSITIFS ET POUR L'ANALYSE DE DONNEES**
[72] BECKER, WILLIAM J., US
[72] WALKER, JAMES M., US
[72] ERDMANN, JEREMY J., US
[73] ILLINOIS TOOL WORKS INC., US
[85] 2016-05-11
[86] 2014-11-13 (PCT/US2014/065503)
[87] (WO2015/105580)
[30] US (14/149,325) 2014-01-07

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[51] **Int.Cl. A47C 31/00 (2006.01)**
[25] EN
[54] **MANUAL OPERATING UNIT, MANUAL OPERATING SYSTEM, FURNITURE CONTROL SYSTEM, BED AND ARMCHAIR**
[54] **MODULE D'EXPLOITATION MANUELLE, SYSTEME D'EXPLOITATION MANUELLE, MECANISME DE COMMANDE DE MEUBLE, LIT ET FAUTEUIL**
[72] KOCH, WALTER, AT
[73] LOGICDATA ELECTRONIC & SOFTWARE ENTWICKLUNGS GMBH, AT
[85] 2016-05-17
[86] 2014-10-29 (PCT/EP2014/073249)
[87] (WO2015/071103)
[30] DE (10 2013 112 677.4) 2013-11-18

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[13] C
[51] **Int.Cl. B21D 22/26 (2006.01) B21D 5/01 (2006.01)**
[25] EN
[54] **HAT SHAPED CROSS-SECTION COMPONENT MANUFACTURING METHOD**
[54] **PROCEDE DE FABRICATION D'UN ELEMENT PRESENTANT UNE SECTION TRANSVERSALE EN OMEGA**
[72] TANAKA, YASUHARU, JP
[72] ASO, TOSHIMITSU, JP
[72] OGAWA, MISAO, JP
[72] MIYAGI, TAKASHI, JP
[72] YAMAMOTO, SHINOBU, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-06-06
[86] 2014-12-22 (PCT/JP2014/083966)
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[30] JP (2013-269854) 2013-12-26

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[51] **Int.Cl. B65D 5/54 (2006.01)**
[25] EN
[54] **CARTON WITH OPENING FEATURE**
[54] **BRIQUE ALIMENTAIRE DOTEE D'ELEMENT D'OUVERTURE**
[72] WILSON, WESTON R., US
[72] FONTAINE, ALAN, US
[72] FITZWATER, KELLY R., US
[73] GRAPHIC PACKAGING INTERNATIONAL, LLC, US
[85] 2016-06-07
[86] 2015-01-15 (PCT/US2015/011547)
[87] (WO2015/109065)
[30] US (61/964,915) 2014-01-16

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[13] C
[51] **Int.Cl. F25D 23/06 (2006.01) F16L 59/065 (2006.01)**
[25] EN
[54] **VACUUM INSULATION PANEL AND REFRIGERATOR INCLUDING THE SAME**
[54] **PANNEAU D'ISOLATION SOUS VIDE ET REFRIGERATEUR LE COMPRENANT**
[72] JANG, CHOONG HYO, KR
[72] KIM, HYUNG SUNG, KR
[72] YOOK, SE WON, KR
[72] KAL, SEUNG HOON, KR
[72] OH, SEUNG JIN, KR
[73] SAMSUNG ELECTRONICS CO., LTD., KR
[85] 2016-06-08
[86] 2014-12-10 (PCT/KR2014/012120)
[87] (WO2015/088241)
[30] KR (10-2013-0152885) 2013-12-10

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[51] **Int.Cl. G01N 21/17 (2006.01)**
[25] EN
[54] **IMAGING SYSTEMS FOR OPTICAL COMPUTING DEVICES**
[54] **SYSTEMES D'IMAGERIE POUR DISPOSITIFS DE CALCUL OPTIQUE**
[72] FREESE, ROBERT PAUL, US
[72] PERKINS, DAVID, US
[72] SOLTMANN, WILLIAM, US
[73] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2016-06-14
[86] 2014-02-18 (PCT/US2014/016926)
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[25] EN
[54] **ELECTRIC CIRCUIT BREAKER**
[54] **DISJONCTEUR ELECTRIQUE**
[72] ROHRIG, FABIAN, DE
[72] STUDT, RALF, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2016-06-17
[86] 2014-12-02 (PCT/EP2014/076199)
[87] (WO2015/090934)
[30] DE (10 2013 227 004.6) 2013-12-20

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[13] C
[51] **Int.Cl. B05D 5/06 (2006.01) B05D 1/36 (2006.01) B32B 27/20 (2006.01)**
[25] EN
[54] **METHOD FOR FORMING MULTILAYER COATING FILM**
[54] **PROCEDE POUR FORMER UN FILM DE REVETEMENT MULTICOUCHE**
[72] FUJIWARA, SHINICHI, JP
[73] NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD., JP
[85] 2016-06-22
[86] 2014-12-26 (PCT/JP2014/084611)
[87] (WO2015/099150)
[30] JP (2013-273599) 2013-12-27

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[51] **Int.Cl. H04N 19/159 (2014.01) H04N 19/122 (2014.01) H04N 19/124 (2014.01) H04N 19/129 (2014.01) H04N 19/176 (2014.01) H04N 19/18 (2014.01) H04N 19/182 (2014.01) H04N 19/593 (2014.01)**
[25] EN
[54] **IMAGE ENCODING APPARATUS**
[54] **APPAREIL DE CODAGE D'IMAGE**
[72] OH, SOO MI, KR
[72] YANG, MOONOCK, SG
[73] M&K HOLDINGS INC., KR
[86] (2934942)
[87] (2934942)
[22] 2011-04-22
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[25] EN
[54] **MANAGEMENT SYSTEM AND MANAGEMENT METHOD FOR MINING MACHINE**
[54] **SYSTEME DE GESTION ET PROCEDE DE GESTION POUR HAVEUSE**
[72] TOJIMA, MASANORI, JP
[72] RYUMAN, MITSUHIRO, JP
[73] KOMATSU LTD., JP
[85] 2016-06-23
[86] 2013-12-27 (PCT/JP2013/085258)
[87] (WO2015/097907)

[11] **2,935,841**
[13] C
[51] **Int.Cl. E21B 49/10 (2006.01) G01N 21/25 (2006.01)**
[25] EN
[54] **WAVELENGTH-DEPENDENT LIGHT INTENSITY MODULATION IN MULTIVARIATE OPTICAL COMPUTING DEVICES USING POLARIZERS**
[54] **MODULATION DE L'INTENSITE D'UNE LUMIERE EN RELATION AVEC LA LONGUEUR D'ONDE DANS DES DISPOSITIFS INFORMATIQUES OPTIQUES MULTIVARIES UTILISANT DES POLARISEURS**
[72] PRICE, JAMES M., US
[72] PERKINS, DAVID L., US
[73] HALLIBURTON ENERGY SERVICES INC., US
[85] 2016-07-04
[86] 2014-03-07 (PCT/US2014/021626)
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[51] **Int.Cl. G06Q 10/06 (2012.01) G05B 19/042 (2006.01)**
[25] EN
[54] **PERSONAL LIFE MANAGER (PLM) SYSTEM AND METHOD**
[54] **SYSTEME DE GESTIONNAIRE DE VIE PERSONNELLE ET METHODE**
[72] PIKE, CHAD R., US
[72] LOWERY, AUSTIN, US
[72] SKONIECZNY, JEFFREY, US
[72] BABCOCK, THOMAS, US
[72] CAMP, GRAY, US
[72] FEATHERMAN, JOHN, US
[73] FILLMORE WEST INVESTMENT TRUST, US
[85] 2016-07-14
[86] 2016-02-02 (PCT/US2016/016130)
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[30] US (62/110,734) 2015-02-02

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[51] **Int.Cl. B01D 19/02 (2006.01)**
[25] EN
[54] **DEFOAMING APPARATUS FOR HIGH-VISCOSITY PURE-CHITOSAN SPINNING SOLUTION**
[54] **APPAREIL DE DEMOUSSAGE DESTINE A UNE SOLUTION CENTRIFUGEE DE CHITOSAN PUR A VISCOSITE ELEVEE**
[72] ZHOU, JIACUN, CN
[72] HU, GUANGMIN, CN
[73] HISMER BIO-TECHNOLOGY CO., LTD., CN
[85] 2016-03-29
[86] 2014-09-01 (PCT/CN2014/085697)
[87] (WO2015/027958)
[30] CN (201310391878.8) 2013-09-02

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[13] C
[51] **Int.Cl. H01L 35/30 (2006.01) H01L 35/32 (2006.01) H01L 35/34 (2006.01)**
[25] EN
[54] **THERMOELECTRIC CONVERSION MODULE**
[54] **MODULE DE CONVERSION THERMOELECTRIQUE**
[72] UCHIYAMA, NAOKI, JP
[72] KUBO, KAZUYA, JP
[73] ATSUMITEC CO., LTD., JP
[85] 2016-07-11
[86] 2015-01-21 (PCT/JP2015/051564)
[87] (WO2015/111629)
[30] JP (2014-009464) 2014-01-22

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[51] **Int.Cl. A63G 21/18 (2006.01) A63G 7/00 (2006.01) A63G 21/04 (2006.01)**
[25] EN
[54] **WATER RIDE HAVING A VARIABLE WATER LEVEL**
[54] **MANEGE AQUATIQUE A NIVEAU D'EAU VARIABLE**
[72] SORNIK, FRANK, DE
[72] GORDT, DENNIS, DE
[73] MACK RIDES GMBH & CO. KG, DE
[85] 2016-07-12
[86] 2015-03-11 (PCT/EP2015/055010)
[87] (WO2015/135963)
[30] DE (102014103226.8) 2014-03-11

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[51] **Int.Cl. B64C 9/16 (2006.01) B64C 23/00 (2006.01)**
[25] EN
[54] **HIGH-LIFT DEVICE OF FLIGHT VEHICLE**
[54] **DISPOSITIF HYPERSUSTENTATEUR DESTINE A UN AERONEF**
[72] ISOTANI, KAZUHIDE, JP
[72] HAYAMA, KENJI, JP
[73] THE SOCIETY OF JAPANESE AEROSPACE COMPANIES, JP
[73] KAWASAKI JUKOGYO KABUSHIKI KAISHA, JP
[86] (2937133)
[87] (2937133)
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[25] EN
[54] **AIR CONDITIONER AND CONTROL PROGRAM**
[54] **CLIMATISEUR ET PROGRAMME DE COMMANDE**
[72] IIJIMA, HIROKAZU, JP
[73] MITSUBISHI ELECTRIC CORPORATION, JP
[85] 2016-07-26
[86] 2014-12-11 (PCT/JP2014/082882)
[87] (WO2015/122089)
[30] JP (2014-025939) 2014-02-13

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[13] C
[51] **Int.Cl. B60K 28/06 (2006.01)**
[25] EN
[54] **DIAGNOSTIC PORT INTOXICATION VEHICLE IMMOBILIZATION**
[54] **IMMOBILISATION D'UN VEHICULE AU MOYEN D'UN ORIFICE DE DIAGNOSTIC D'INTOXICATION**
[72] DEVRIES, DOUGLAS EDWARD, US
[72] KELLER, KERRY L., US
[72] MCGRATH, TIMOTHY J., US
[73] CONSUMER SAFETY TECHNOLOGY, LLC, US
[86] (2938407)
[87] (2938407)
[22] 2016-08-08
[30] US (15/223,894) 2016-07-29
[30] US (62/240,978) 2015-10-13
[30] US (62/266,279) 2015-12-11
[30] US (62/306,177) 2016-03-10

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[13] C
[51] **Int.Cl. C21B 11/08 (2006.01) C21B 13/10 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLUIDIZED REDUCTION OF IRON ORE POWDER**
[54] **SYSTEME ET PROCEDE POUR LA REDUCTION DE POUDRE DE MINERAI DE FER EN LIT FLUIDISE**
[72] ZHU, QINGSHAN, CN
[72] FAN, CHUANLIN, CN
[72] LI, HONGZHONG, CN
[72] XIE, ZHAOHUI, CN
[72] MU, WENHENG, CN
[72] WANG, CUNHU, CN
[72] JIAO, XINGANG, CN
[73] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[73] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD., CN
[85] 2016-08-03
[86] 2014-12-30 (PCT/CN2014/095709)
[87] (WO2015/101305)
[30] CN (2013107512383) 2013-12-31

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[13] C
[51] **Int.Cl. C21B 11/00 (2006.01) C21B 13/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLUIDIZED BED REDUCTION OF POWDERED IRON ORE**
[54] **SYSTEME ET PROCEDE POUR LA REDUCTION DE MINERAI DE FER EN POUDRE EN LIT FLUIDISE**
[72] ZHU, QINGSHAN, CN
[72] FAN, CHUANLIN, CN
[72] LI, HONGZHONG, CN
[72] XIE, ZHAOHUI, CN
[72] MU, WENHENG, CN
[72] WANG, CUNHU, CN
[72] JIAO, XINGANG, CN
[73] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[73] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD., CN
[85] 2016-08-03
[86] 2014-12-30 (PCT/CN2014/095707)
[87] (WO2015/101304)
[30] CN (201310750393.3) 2013-12-31

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[13] C
[51] **Int.Cl. C21B 13/00 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR FLUIDIZED DIRECT REDUCTION OF IRON ORE CONCENTRATE POWDER**
[54] **SYSTEME ET PROCEDE DE REDUCTION DIRECTE DE POUDRE DE CONCENTRE DE MINERAI DE FER EN LIT FLUIDISE**
[72] ZHU, QINGSHAN, CN
[72] FAN, CHUANLIN, CN
[72] LI, HONGZHONG, CN
[72] XIE, ZHAOHUI, CN
[72] MU, WENHENG, CN
[72] WANG, CUNHU, CN
[72] JIAO, XINGANG, CN
[73] INSTITUTE OF PROCESS ENGINEERING, CHINESE ACADEMY OF SCIENCES, CN
[73] BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD., CN
[85] 2016-08-03
[86] 2014-12-30 (PCT/CN2014/095711)
[87] (WO2015/101306)
[30] CN (201310750711.6) 2013-12-31

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[13] C
[51] **Int.Cl. G01H 11/06 (2006.01) G01H 3/12 (2006.01) G01H 11/08 (2006.01) G01N 29/24 (2006.01)**
[25] EN
[54] **A SOUND SENSOR**
[54] **CAPTEUR DE SON**
[72] ROSE, DARREN, GB
[72] HURREY, ROGER (DECEASED), GB
[73] ROSE, DARREN, GB
[73] CLARKE, SOPHIE ELIZABETH, GB
[85] 2016-08-10
[86] 2014-02-14 (PCT/GB2014/000051)
[87] (WO2014/125242)
[30] GB (1302575.4) 2013-02-14

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[13] C
[51] **Int.Cl. B23K 35/30 (2006.01) B23K 9/23 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **WELDED JOINT AND METHOD OF MANUFACTURING WELDED JOINT**
[54] **JOINT SOUDE ET METHODE DE FABRICATION DE JOINT SOUDE**
[72] JOTOKU, KANA, JP
[72] HIRATA, HIROYUKI, JP
[72] OMURA, TOMOHIKO, JP
[72] NAKAMURA, JUN, JP
[72] OSUKI, TAKAHIRO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-08-11
[86] 2015-02-20 (PCT/JP2015/054722)
[87] (WO2015/129561)
[30] JP (2014-035376) 2014-02-26

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[13] C
[51] **Int.Cl. A61K 9/52 (2006.01) A61K 31/145 (2006.01) A61K 31/19 (2006.01) A61K 31/192 (2006.01) A61K 31/196 (2006.01) A61K 31/21 (2006.01) A61K 31/60 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **CONTROLLED RELEASE ENTERIC SOFT CAPSULES OF FUMARATE ESTERS**
[54] **CAPSULES MOLLES ENTERIQUES A LIBERATION CONTROLEE D'ESTERS DE FUMARATE**
[72] DYAKONOV, TATYANA, US
[72] AGNIHOTRI, SUNIL, US
[72] FATMI, AQEEL A., US
[73] BANNER LIFE SCIENCES LLC, US
[85] 2016-08-17
[86] 2015-02-27 (PCT/US2015/017893)
[87] (WO2015/130998)
[30] US (61/946,233) 2014-02-28
[30] US (61/950,648) 2014-03-10
[30] US (62/011,604) 2014-06-13
[30] US (62/061,185) 2014-10-08

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[13] C
[51] **Int.Cl. G05D 1/02 (2006.01)**
[25] EN
[54] **HAULAGE VEHICLE**
[54] **VEHICULE DE LIVRAISON**
[72] SAITO, SHINJIRO, JP
[72] ISHIMOTO, HIDEFUMI, JP
[73] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
[85] 2016-08-25
[86] 2014-09-30 (PCT/JP2014/076082)
[87] (WO2016/051501)

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[13] C
[51] **Int.Cl. G01R 15/18 (2006.01) H01F 38/28 (2006.01)**
[25] EN
[54] **CURRENT TRANSFORMER DEVICE UNIT AND MAGNETIC INDUCTION POWER SUPPLYING DEVICE FOR LINEARLY CONTROLLING OUTPUT POWER BY USING THE SAME**
[54] **MODULE DE DISPOSITIF TRANSFORMATEUR DE COURANT ET DISPOSITIF D'ALIMENTATION PAR INDUCTION MAGNETIQUE DE PUISSANCE DE SORTIE DE COMMANDE LINEAIRE AU MOYEN DUDIT MODULE**
[72] KOO, JA-IL, KR
[73] FERRARISPOWER CO., LTD, KR
[85] 2016-09-01
[86] 2014-11-19 (PCT/KR2014/011120)
[87] (WO2015/133704)
[30] KR (10-2014-0025317) 2014-03-04

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[13] C
[51] **Int.Cl. G05D 1/02 (2006.01)**
[25] EN
[54] **HAULAGE VEHICLE AND TRAVEL CONTROL SYSTEM FOR THE SAME**
[54] **VEHICULE DE REMORQUAGE ET MECANISME DE COMMANDE DE PARCOURS ASSOCIE**
[72] TANAKA, WATARU, JP
[72] SAITO, SHINJIRO, JP
[72] BANDO, MIKIO, JP
[72] ICHINOSE, MASANORI, JP
[73] HITACHI CONSTRUCTION MACHINERY CO., LTD., JP
[85] 2016-09-08
[86] 2015-03-03 (PCT/JP2015/056263)
[87] (WO2016/035356)
[30] JP (2014-180464) 2014-09-04

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[13] C
[51] **Int.Cl. C07D 401/12 (2006.01) A61K 31/47 (2006.01) A61K 31/4709 (2006.01) A61K 31/472 (2006.01) A61K 31/4725 (2006.01) A61K 31/517 (2006.01) A61K 31/541 (2006.01) C07D 207/26 (2006.01) C07D 215/48 (2006.01) C07D 401/04 (2006.01) C07D 401/14 (2006.01) C07D 405/12 (2006.01) C07D 405/14 (2006.01) C07D 413/12 (2006.01) C07D 417/12 (2006.01) C07D 487/04 (2006.01) C07D 491/056 (2006.01) C07F 7/18 (2006.01)**
[25] EN
[54] **BICYCLIC-FUSED HETEROARYL OR ARYL COMPOUNDS**
[54] **COMPOSES HETEROARYLES OU ARYLES BICYCLIQUES CONDENSES**
[72] ANDERSON, DAVID RANDOLPH, US
[72] BUNNAGE, MARK EDWARD, US
[72] CURRAN, KEVIN JOSEPH, US
[72] DEHNHARDT, CHRISTOPH MARTIN, CA
[72] GAVRIN, LORI KRIM, US
[72] GOLDBERG, JOEL ADAM, US
[72] HAN, SEUNGIL, US
[72] HEPWORTH, DAVID, US
[72] HUANG, HORNG-CHIH, US
[72] LEE, ARTHUR, US
[72] LEE, KATHERINE LIN, US
[72] LOVERING, FRANK ELDRIDGE, US
[72] LOWE, MICHAEL DENNIS, US
[72] MATHIAS, JOHN PAUL, US
[72] PAPAIOANNOU, NIKOLAOS, US
[72] PATNY, AKSHAY, US
[72] PIERCE, BETSY SUSAN, US
[72] SAIAH, EDDINE, US
[72] STROHBACH, JOSEPH WALTER, US
[72] TRZUPEK, JOHN DAVID, US
[72] VARGAS, RICHARD, US
[72] WANG, XIAOLUN, US
[72] WRIGHT, STEPHEN WAYNE, US
[72] ZAPF, CHRISTOPH WOLFGANG, US
[73] PFIZER INC., US
[85] 2016-09-29
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[51] **Int.Cl. B21D 22/26 (2006.01) B60G 7/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING PRESS-FORMED PRODUCT AND AUTOMOBILE LOWER ARM**
[54] **METHODE DE PRODUCTION DE PRODUIT FORME PAR PRESSION ET BRAS INFERIEUR AUTOMOBILE**
[72] ITO, YASUHIRO, JP
[73] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2016-10-04
[86] 2015-04-06 (PCT/JP2015/001919)
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[54] **SYNTHETIC RESIN BOTTLE**
[54] **BOUTEILLE EN RESINE SYNTHETIQUE**
[72] TANAKA, TOSHIMASA, JP
[72] OGUCHI, HIROKI, JP
[73] YOSHINO KOGYOSHO CO., LTD., JP
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[86] 2015-03-02 (PCT/JP2015/001088)
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[51] **Int.Cl. B64D 47/00 (2006.01)**
[25] FR
[54] **CABLE SELECTION DEVICE AND AIRCRAFT AND IMPLEMENTATION PROCESS BY THE SAID DEVICE**
[54] **DISPOSITIF SECTIONNEUR DE CABLES ET AERONEF, ET PROCEDE MIS EN OEUVRE PAR LEDIT DISPOSITIF**
[72] STRUZIK, ALAIN, FR
[73] AIRBUS HELICOPTERS, FR
[86] (2946644)
[87] (2946644)
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[25] EN
[54] **FUNCTIONAL INDOOR ELECTRICAL WALL OUTLET COVER**
[54] **COUVRE-PRISE ELECTRIQUE MURAL INTERIEUR FONCTIONNEL**
[72] INSALACO, MICHAEL GEORGE, US
[73] SOCKET SOLUTIONS, LLC, US
[86] (2947173)
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[22] 2016-11-01
[30] US (15/099,559) 2016-04-14
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[25] FR
[54] **NOVEL IVABRADINE SALT AND METHOD FOR PREPARING SAME**
[54] **NOUVEAU SEL DE L'IVABRADINE ET SON PROCEDE DE PREPARATION**
[72] LYNCH, MICHAEL, FR
[72] COINTEPAS, PATRICK, FR
[72] LAFARGUE, DAVID, FR
[72] BRIAULT, GILLES, FR
[73] LES LABORATOIRES SERVIER, FR
[85] 2016-10-31
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[25] EN
[54] **LAUNDRY DETERGENTS BASED ON COMPOSITIONS DERIVED FROM NATURAL OIL METATHESIS**
[54] **DETERGENTS LESSIVIELS A BASE DE COMPOSITIONS DERIVEES DE LA METATHESE D'HUILES NATURELLES**
[72] ALLEN, DAVE R., US
[72] ALONSO, MARCOS, US
[72] BERNHARDT, RANDAL J., US
[72] MURPHY, DENNIS S., US
[72] WOLFE, PATRICK SHANE, US
[72] BROWN, AARON, US
[73] STEPAN COMPANY, US
[86] (2948110)
[87] (2948110)
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[54] **INDUCTOR AND METHOD FOR HEATING A GEOLOGICAL FORMATION**
[54] **INDUCTEUR ET PROCEDE DE CHAUFFAGE D'UNE FORMATION GEOLOGIQUE**
[72] DIEHL, DIRK, DE
[73] SIEMENS AKTIENGESELLSCHAFT, DE
[85] 2016-11-18
[86] 2015-04-22 (PCT/EP2015/058667)
[87] (WO2015/176904)
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[51] Int.Cl. B65D 65/18 (2006.01) B65D 1/02 (2006.01) B65D 23/08 (2006.01)
[25] EN
[54] **LIQUID LAUNDRY PRODUCT HAVING A WINDOW FOR VIEWING**
[54] **PRODUIT DE LESSIVE LIQUIDE AYANT UNE FENETRE PERMETTANT LA VISUALISATION**
[72] LARSON, SIGNE CHRISTINA, US
[73] THE PROCTER & GAMBLE COMPANY, US
[85] 2016-11-30
[86] 2015-06-24 (PCT/US2015/037370)
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[25] EN
[54] **SYSTEM AND METHOD FOR SECURE REMOTE ACCESS**
[54] **SYSTEME ET PROCEDE POUR ACCES A DISTANCE SECURISE**
[72] KUANG, RANDY, CA
[72] XAVIER, STANISLUS KISITO, CA
[72] STEKLASA, ROBERT FRANK, CA
[72] WILSON, STEPHEN GEORGE, CA
[72] ZHU, HE, CA
[73] INBAY TECHNOLOGIES INC., CA
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[87] (2950955)
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[62] 2,805,539
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[25] EN
[54] **FOOD COMMINUTION DEVICE**
[54] **DISPOSITIF DE BROYAGE D'ALIMENTS**
[72] REPAC, CEDOMIR, DE
[73] GENIUS GMBH, DE
[85] 2016-12-06
[86] 2015-06-12 (PCT/EP2015/063159)
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[30] DE (10 2014 108 266.4) 2014-06-12

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[51] Int.Cl. A61M 5/48 (2006.01) A61M 5/142 (2006.01) A61M 5/155 (2006.01) F04C 2/08 (2006.01) F04C 2/14 (2006.01) F04C 14/20 (2006.01)
[25] EN
[54] **DUAL CHAMBER AND GEAR PUMP ASSEMBLY FOR A HIGH PRESSURE DELIVERY SYSTEM**
[54] **ENSEMBLE POMPE A ENGRENAGES ET DOUBLE COMPARTIMENT POUR SYSTEME D'ADMINISTRATION SOUS HAUTE PRESSION**
[72] BATES, JAMES S., US
[72] BANIK, ROBERT, US
[72] GINSBERG, BARRY, US
[73] BECTON, DICKINSON AND COMPANY, US
[86] (2951841)
[87] (2951841)
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[25] EN
[54] **PROCESS FOR SEPARATION OF AT LEAST ONE METAL SULFIDE FROM A MIXED SULFIDE ORE OR CONCENTRATE**
[54] **PROCEDE POUR LA SEPARATION D'AU MOINS UN SULFURE METALLIQUE A PARTIR D'UN MINERAI OU D'UN CONCENTRE DE SULFURE MELANGE**
[72] TOMLINSON, MARCUS, CA
[72] MARTINEZ, TEODORO, MX
[72] HILLE, SIMON, CA
[73] GOLDCORP INC., CA
[86] (2952568)
[87] (2952568)
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[62] 2,880,395
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[51] Int.Cl. C09D 133/04 (2006.01)
[25] EN
[54] **MULTI-LAYER COATING SYSTEM, COATING METHOD, AND COATED SUBSTRATE THEREWITH**
[54] **SYSTEME DE REVETEMENT MULTICOUCHE, PROCEDE DE REVETEMENT, ET SUBSTRAT REVETU DE CE DERNIER**
[72] SONG, YUANJIE, CN
[72] LUO, ZHENGSONG, CN
[72] YIN, ZHIXIN, CN
[73] PPG COATINGS (TIANJIN) CO., LTD., CN
[85] 2017-01-20
[86] 2015-07-22 (PCT/CN2015/084778)
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[51] Int.Cl. B29C 64/153 (2017.01) B33Y 30/00 (2015.01) B33Y 40/00 (2015.01) B29C 64/205 (2017.01) B29C 64/255 (2017.01) B29C 64/30 (2017.01) B22F 3/105 (2006.01)
[25] EN
[54] **COATING DEVICE ARRANGEMENT FOR A 3D PRINTER**
[54] **ARRANGEMENT DE DISPOSITIF DE REVETEMENT DESTINE A UNE IMPRIMANTE 3D**
[72] HOECHSMANN, RAINER, DE
[72] MUELLER, ALEXANDER, DE
[72] KLAUA, SVEN, DE
[73] EXONE GMBH, DE
[85] 2017-02-08
[86] 2015-08-26 (PCT/EP2015/069544)
[87] (WO2016/030417)
[30] DE (10 2014 112 450.2) 2014-08-29

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[51] **Int.Cl. B60P 3/20 (2006.01) B62D 25/02 (2006.01) B62D 33/04 (2006.01) F24F 13/06 (2006.01) F25D 17/04 (2006.01)**
[25] EN
[54] **AIR RETURN BULKHEAD FOR USE IN CONNECTION WITH A REFRIGERATION UNIT WITHIN A REFRIGERATION-TYPE CARGO TRAILER**
[54] **CLOISON DE RETOUR D'AIR DESTINEE A UNE CONNEXION AVEC UN MODULE DE REFRIGERATION A L'INTERIEUR D'UNE REMORQUE CARGO DE TYPE REFRIGERATION**
[72] CLARK, TOBY W., US
[73] SIGNODE INDUSTRIAL GROUP LLC, US
[86] (2962005)
[87] (2962005)
[22] 2017-03-24
[30] US (15/088,363) 2016-04-01

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[13] C
[51] **Int.Cl. G02B 6/44 (2006.01)**
[25] EN
[54] **FIBER OPTIC CABLES AND ASSEMBLIES FOR FIBER TOWARD THE SUBSCRIBER APPLICATIONS**
[54] **CABLES DE FIBRE OPTIQUE ET ENSEMBLES POUR FIBRE ORIENTES VERS LES APPLICATIONS D'ABONNES**
[72] ABERNATHY, GEORGE CORNELIUS, US
[72] BURNS, RODNEY MAURICE, US
[72] GIMBLET, MICHAEL JOHN, US
[72] MCALPINE, WARREN W., US
[72] MILLER, ALLEN MICHAEL, US
[72] SEDDON, DAVID ALAN, US
[73] CORNING OPTICAL COMMUNICATIONS LLC, US
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[51] **Int.Cl. B01D 53/64 (2006.01) B01D 53/14 (2006.01)**
[25] EN
[54] **EMISSION CONTROL SYSTEM**
[54] **SYSTEME DE LUTTE CONTRE LES EMISSIONS**
[72] MOORE, RANDALL P., US
[72] JACKSON, KEVIN, US
[72] BALOGA, STEPHEN, US
[72] CHEN, BOBBY I. T., US
[72] HALLEY, BERANI A. C., US
[72] EDEL, JOHN, US
[73] SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC., US
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[87] (2963242)
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[13] C
[51] **Int.Cl. B41J 3/407 (2006.01) B41J 2/32 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR PRINTING ON AN OBJECT HAVING A CURVED SURFACE**
[54] **PROCEDE ET APPAREIL POUR IMPRIMER SUR UN OBJET AYANT UNE SURFACE INCURVEE**
[72] SILBERT, ROLF, US
[72] ROSATI, ROBERT, US
[72] BUSE, DAVID, US
[72] TAMMER, OLEV, US
[72] MERTEN, MATTHIAS, US
[73] GEN-PROBE INCORPORATED, US
[85] 2017-04-18
[86] 2015-10-21 (PCT/US2015/056763)
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[30] US (62/066,468) 2014-10-21

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[51] **Int.Cl. C12P 1/00 (2006.01) C07C 29/00 (2006.01) C10L 1/02 (2006.01) C12M 1/00 (2006.01) C12P 3/00 (2006.01) C12P 5/02 (2006.01) C12P 7/06 (2006.01) C12P 7/10 (2006.01) C12P 7/40 (2006.01) C12P 19/00 (2006.01) C13K 1/00 (2006.01) D21C 1/02 (2006.01) D21C 1/10 (2006.01)**
[25] EN
[54] **METHOD AND DEVICE FOR TREATING BIOMASS AND ORGANIC WASTE**
[54] **PROCEDE ET DISPOSITIF POUR LE TRAITEMENT DE BIOMASSE ET DE DECHETS ORGANIQUES**
[72] NILSEN, PAAL JAHRE, NO
[72] HOLTE, HANS RASMUS, NO
[73] CAMBI TECHNOLOGY AS, NO
[85] 2017-04-21
[86] 2015-10-29 (PCT/EP2015/075135)
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[30] EP (14190813.7) 2014-10-29

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[51] **Int.Cl. B03B 9/02 (2006.01)**
[25] EN
[54] **HEAT RECOVERY FROM OIL SAND TAILINGS UTILIZING A FLUIDIZED BED**
[54] **RECUPERATION DE CHALEUR A PARTIR DE RESIDUS DE SABLE BITUMINEUX AU MOYEN D'UN LIT FLUIDISE**
[72] ESMAEILI, PAYMAN, CA
[72] SPEIRS, BRIAN C., CA
[73] IMPERIAL OIL RESOURCES LIMITED, CA
[86] (2965581)
[87] (2965581)
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[13] C
[51] **Int.Cl. A61F 2/24 (2006.01)**
[25] EN
[54] **QUICK-CONNECT PROSTHETIC HEART VALVE AND METHODS**
[54] **VALVULE CARDIAQUE PROTHETIQUE A RACCORDEMENT RAPIDE ET METHODES**
[72] PINTOR, RAFAEL, US
[72] CHAU, MARK, US
[72] OBA, TRAVIS, US
[72] YAMBAO, AUGUST, US
[72] CAMPBELL, LOUIS, US
[72] HUNTLEY, TAMMY, US
[72] ZENG, QINGGANG, US
[72] CRISTEA, CAREY, US
[72] KALAM, FAISAL, US
[73] EDWARDS LIFESCIENCES CORPORATION, US
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[87] (2966311)
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[51] **Int.Cl. B03C 3/34 (2006.01)**
[25] EN
[54] **ELECTROSTATIC FINE DUST FILTER SYSTEM, HOLDER FOR AN ELECTRODE, AND ELECTRODE THEREFOR**
[54] **SYSTEME DE FILTRATION DE POUSSIERE FINE ELECTROSTATIQUE, ELEMENT DE RETENUE POUR UNE ELECTRODE ET ELECTRODE CORRESPONDANTE**
[72] MULLER, BEAT, CH
[72] JUD, DANIEL, CH
[73] MULLER, BEAT, CH
[73] JUD, DANIEL, CH
[86] (2966896)
[87] (2966896)
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[25] EN
[54] **ROLLER FOR DEFLECTING OR GUIDING A METAL STRIP, WHICH IS TO BE COATED, IN A METAL MELT BATH**
[54] **ROULEAU DE DEVIATION OU DE GUIDAGE D'UNE BANDE METALLIQUE DANS UN BAIN DE METAL EN FUSION**
[72] JENDRISCHIK, GERD, DE
[72] MATZKEN, FRANK, DE
[72] PEITZ, ALFRED, DE
[72] PETERS, MICHAEL, DE
[73] THYSSENKRUPP AG, DE
[73] THYSSENKRUPP STEEL EUROPE AG, DE
[85] 2017-05-15
[86] 2015-10-29 (PCT/EP2015/075057)
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[51] **Int.Cl. F21V 21/04 (2006.01) F21K 9/00 (2016.01) F21S 8/02 (2006.01) F21V 15/015 (2006.01) F21V 21/30 (2006.01)**
[25] EN
[54] **RECESSED LIGHT-EMITTING DIODE LIGHTING FIXTURE**
[54] **APPAREIL D'ECLAIRAGE ENCASTRE A DIODE ELECTROLUMINESCENTE**
[72] GEORGIEV, GEORGI Y., CA
[73] GEORGIEV, GEORGI Y., CA
[86] (2967954)
[87] (2967954)
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[51] **Int.Cl. B26B 15/00 (2006.01) B26B 13/00 (2006.01) B26B 13/28 (2006.01)**
[25] EN
[54] **PRUNING SHEARS**
[54] **CISAILLES DE TAILLE D'ARBRE**
[72] LINDEN, OLAVI, FI
[72] LINDEN, JAN, FI
[73] FISKARS FINLAND OY AB, FI
[86] (2969039)
[87] (2969039)
[22] 2017-05-30
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR CONDUCTING AN ONLINE RAIL-SERVICE ORDERING TRANSACTION**
[54] **SYSTEME ET METHODE D'EXECUTION D'UNE TRANSACTION DE COMMANDE D'UN SERVICE FERROVIAIRE EN LIGNE**
[72] PODGURNY, LEONARD JOHN, CA
[72] ERNESAKS, ANITA, CA
[73] CANADIAN NATIONAL RAILWAY COMPANY, CA
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[87] (2969278)
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[25] EN
[54] **METHOD FOR COLLECTING SILVER**
[54] **PROCEDE DE COLLECTE D'ARGENT**
[72] ONO, EIKI, JP
[72] HATANO, KAZUHIRO, JP
[73] JX NIPPON MINING & METALS CORPORATION, JP
[86] (2973106)
[87] (2973106)
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[51] **Int.Cl. B62D 3/12 (2006.01) A01D 34/64 (2006.01) B62D 3/02 (2006.01) B62D 7/08 (2006.01) B62D 7/18 (2006.01)**
[25] EN
[54] **STEERING ASSEMBLY FOR A RIDING LAWN MOWER**
[54] **ENSEMBLE DE DIRECTION POUR UNE TONDEUSE A SIEGE**
[72] CMICH, RYAN, US
[73] MTD PRODUCTS INC, US
[85] 2017-07-13
[86] 2016-01-25 (PCT/US2016/014681)
[87] (WO2016/123004)
[30] US (62/107,585) 2015-01-26

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[13] C
[51] **Int.Cl. B25J 15/06 (2006.01) B25J 19/02 (2006.01)**
[25] EN
[54] **ROBOTIC ARM AND PREPARATION CUP SYSTEM**
[54] **MECANISME A BRAS ROBOTIQUE ET GOBELET DE PREPARATION**
[72] GODFREY, ROBERT J., US
[72] SCHALLER, BRADLEY A., US
[73] TECHNOLOGIES HOLDINGS CORP., US
[86] (2977236)
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[51] **Int.Cl. B67D 7/06 (2010.01) B67D 7/04 (2010.01) B67D 7/36 (2010.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR DISTRIBUTING FUEL**
[54] **SYSTEME ET PROCEDE DE DISTRIBUTION DE CARBURANT**
[72] MCKAY, STEPHEN WILLIAM, CA
[72] ESTOK, ROBERT MICHAEL, CA
[72] LADD, NEIL JOSEPH, CA
[73] 1119456 B.C. LTD., CA
[85] 2017-09-18
[86] 2016-10-04 (PCT/CA2016/051154)
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[30] US (14/877,823) 2015-10-07

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[51] **Int.Cl. B60G 7/02 (2006.01) B60P 1/04 (2006.01)**
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[54] **DUMP TRUCK**
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[72] TAKANO, TOMOHIRO, JP
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[54] **SPLASH-RESISTANT AUTOMATICALLY INFLATABLE FLOTATION DEVICE**
[54] **DISPOSITIF DE FLOTTAISON POUVANT ETRE GONFLE AUTOMATIQUEMENT RESISTANT AUX PROJECTIONS D'EAU**
[72] BEACH-DRUMMOND, JAMES, US
[73] MARINE SAFETY PRODUCTS, LLC, US
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[54] **HARDWARE-TRUSTED ORTHOGONAL FREQUENCY DIVISION MULTIPLEX (OFDM) ACCESS TO A SHARED COMMON PUBLIC RADIO INTERFACE (CPRI)**
[54] **ACCES PAR MULTIPLEXAGE PAR REPARTITION ORTHOGONALE DE LA FREQUENCE (OFDM) DE MATERIEL DE CONFIANCE A UNE INTERFACE RADIO PUBLIQUE COMMUNE PARTAGEE (CPRI)**
[72] RAJAGOPAL, ARUN, US
[72] PACZKOWSKI, LYLE WALTER, US
[72] BARTLETT, ROGER DANFORTH, US
[73] SPRINT COMMUNICATIONS COMPANY L.P., US
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[54] **COMPUTER-IMPLEMENTED CRYPTOGRAPHIC METHOD FOR IMPROVING A COMPUTER NETWORK, AND TERMINAL, SYSTEM AND COMPUTER-READABLE MEDIUM FOR THE SAME**
[54] **PROCEDE CRYPTOGRAPHIQUE MIS EN □UVRE PAR ORDINATEUR PERMETTANT D'AMELIORER UN RESEAU INFORMATIQUE, AINSI QUE TERMINAL, SYSTEME ET SUPPORT LISIBLE PAR ORDINATEUR ASSOCIES**
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[73] TRILLIUM INCORPORATED, JP
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[54] **BONSAI CARGO FOLDER**
[54] **APPAREIL PLIANT DE TRANSPORT BONSAI**
[72] THOMAS, TOM S., CA
[71] THOMAS, TOM S., CA
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[54] **EASEL FOR INTERACTING WITH MOBILE ELECTRONIC DEVICES AND PAPER NOTEPADS ON SHOPPING CARTS**
[54] **CHEVALET DESTINE A UNE INTERACTION AVEC DES APPAREILS ELECTRONIQUES MOBILES ET DES CARNETS DE NOTES PAPIER SUR DES CHARIOTS DE MAGASINAGE**
[72] MANGONE, FRANCESCO LUIGI, CA
[71] MANGONE, FRANCESCO LUIGI, CA
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[54] **FRONTROW SPORTING EVENTS**
[54] **EVENEMENTS SPORTIFS AUX PREMIERES LOGES**
[72] UNKNOWN, ZZ
[71] NIGH, HOWARD, CA
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[25] EN
[54] **OIL SANDS TAILINGS WATER TREATMENT PROCESS USING ENTRAPPED AND BIOAUGMENTED CULTURE INDIGENOUS TO TAILINGS POND**
[54] **PROCEDE DE TRAITEMENT D'EAU DE RESIDUS DE SABLES BITUMINEUX AU MOYEN DE CULTURE ENFERMEE ET BIOAUGMENTEE INDIGENE AU BASSIN DE RESIDUS**
[72] PRAMANIK, SUDIPTA, CA
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[54] **ARTICLE OF WARMTH WITH INNER REPLACEABLE THERMALLY INSULATING PANELS**
[54] **ARTICLE DE CHALEUR DOTE DE PANNEAUX ISOLANTS THERMIQUEMENT REMPLACABLES INTERNES**
[72] REUBEN, ROBIN, CA
[71] REUBEN, ROBIN, CA
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[54] **PINCE PIVOT**
[72] AZAB, MOHAMED, CA
[72] TAYLOR, CINDY, CA
[71] PRODUCTIONS WEDOODLE INC., CA
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[25] EN
[54] **MEANS, APPARATUS, AND METHOD FOR HUMANISTIC INTELLIGENCE, UNDIGITAL CYBORG CRAFT, AND SOUSVEILLANT SYSTEMS FOR MACHINE INTEGRITY**
[54] **MECANISME, APPAREIL ET METHODE D'INTELLIGENCE HUMANISTE, CONSTRUCTION DE CYBORG NON NUMERIQUE, ET SYSTEMES SOUS-VEILLANTS DESTINES A L'INTEGRITE DE LA MACHINE**
[72] MANN, STEVE, CA
[71] MANN, STEVE, CA
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[54] **MASONRY CUTTING DEVICE**
[54] **APPAREIL DE DECOUPE DE MACONNERIE**
[72] WARRENER, ELI S., CA
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[54] **SEED TREATMENT COMPOSITION**
[54] **COMPOSITION DE TRAITEMENT DE SEMENCE**
[72] JOHNSON, STEVEN BRUCE, US
[71] TALC USA, LLC, US
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[54] **MODULAR INSULATED WALL SYSTEM**
[54] **SYSTEME MURAL ISOLE MODULAIRE**
[72] KENNEDY, DAVID, CA
[71] MOD PANEL MANUFACTURING LTD., CA
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[25] EN
[54] **SCOOTER WITH A FOOTREST UNIT**
[54] **SCOOTER EQUIPE D'UN MODULE DE REPOSE-PIEDS**
[72] DEL VILLAR, HECTOR, CA
[71] DEL VILLAR, HECTOR, CA
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[25] EN
[54] **SYSTEM AND METHOD FOR MULTI-USER DIGITAL INTERACTIVE EXPERIENCE**
[54] **SYSTEME ET METHODE DESTINES A UNE EXPERIENCE INTERACTIVE NUMERIQUE MULTIUTILISATEUR**
[72] SIDDIQUE, SAMI, CA
[72] STIMPSON, BRAD, CA
[71] DRESSBOT INC., CA
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[54] **DISPOSABLE SINGLE USE PORTABLE TOILET**
[54] **TOILETTE PORTATIVE JETABLE A USAGE UNIQUE**
[72] MIRZOEV, LEVAN, US
[71] MIRZOEV, LEVAN, US
[22] 2016-12-30
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[25] EN
[54] **METHOD AND SYSTEM FOR MANAGING PHYSICAL ASSETS**
[54] **METHODE ET SYSTEME DE GESTION D'ACTIFS PHYSIQUES**
[72] ROVANO, ANTHONY C., US
[72] HIERHOLZER, DANIEL D., US
[72] PEREZ-CARRADA, CLAUDIA E., US
[71] ASSETWORKS LLC, US
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[25] EN
[54] **ELECTRONIC DEVICE FACILITATING PASSWORD ENTRY AND RECALL**
[54] **APPAREIL ELECTRONIQUE FACILITANT L'ENTREE ET LE RAPPEL DE MOT DE PASSE**
[72] LIGHTBODY, TORIN J., CA
[71] LIGHTBODY, TORIN J., CA
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[51] **Int.Cl. G09B 19/00 (2006.01) G06G 1/06 (2006.01)**
[25] EN
[54] **PERSONAL MOTIVATION APPARATUS**
[54] **APPAREIL DE MOTIVATION PERSONNELLE**
[72] UNKNOWN, ZZ
[71] MANDAPATHIL, BINCE MANI, CA
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[54] **VETEMENT DE NUIT DE REVE POUR LA MATERNITE**
[72] BASTARACHE, MICHAEL PAUL, CA
[71] BASTARACHE, MICHAEL PAUL, CA
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[54] **ERGONOMIC WORK STATION CHAIR**
[54] **CHAISE DE POSTE DE TRAVAIL ERGONOMIQUE**
[72] FRYER, JEROME, CA
[71] DYNAMIC DISC DESIGNS CORP., CA
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[54] **ERECTABLE SHELTER STRUCTURE**
[54] **STRUCTURE D'ABRI ERIGEABLE**
[72] LEMOINE, GEORGE, US
[72] BEVILACQUA, GEORGE, US
[72] OTIS, CHRISTIAN, US
[71] SHELTERLOGIC CORP., US
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[54] **MUD FLAP ASSEMBLY FOR SECURE ATTACHMENT**
[54] **DISPOSITIF DE BAVETTE GARDE-BOUE DESTINEE A UNE FIXATION SECURISEE**
[72] SCHMEICHEL, CHARLES M., US
[72] ALTHOFF, CHRISTOPHER D., US
[72] WOCK, SHAWN J., US
[71] AGRI-COVER, INC., US
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[54] **A DRIVE CIRCUIT FOR TRANSMITTING DATA SIGNALS ON POWER WIRE**
[54] **UN CIRCUIT D'ENTRAINEMENT SERVANT A TRANSMETTRE DES SIGNAUX DE DONNEES SUR UN CABLE D'ALIMENTATION**
[72] LIN, HAO, CN
[72] CHEN, LISHENG, CN
[72] LIN, FENDCHENG, CN
[72] LIN, BAI, CN
[71] DONGGUAN CITY MINLEON ELECTRONICS CO., LTD., CN
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[54] **BEVERAGE CHILLER**
[54] **REFROIDISSEUR A BOISSON**
[72] DICKENS, ANTHONY THOMAS FITZPATRICK, GB
[71] TEQUILA CUERVO, S.A. DE C.V., MX
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[54] **RADIO FREQUENCY TREATMENT TO PHYTOSANITIZE WOOD PACKAGING MATERIALS USED IN INTERNATIONAL SHIPPING**
[54] **TRAITEMENT PAR RADIOFREQUENCE SERVANT A PHYTO-ASSAINIR DES MATERIAUX D'EMBALLAGE EN BOIS UTILISES POUR L'EXPEDITION INTERNATIONALE**
[72] JANOWIAK, JOHN J., US
[72] HOOVER, KELLI, US
[71] THE PENN STATE RESEARCH FOUNDATION, US
[22] 2017-07-06
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[25] EN
[54] **INSTRUMENTED SAVER SUB FOR STICK-SLIP VIBRATION MITIGATION**
[54] **AUXILIAIRE D'ECONOMISEUR INSTRUMENTE DESTINE A L'ATTENUATION DE VIBRATION DE GLISSEMENT SACCADE**
[72] HADI, MAHMOUD, US
[71] NABORS DRILLING TECHNOLOGIES USA, INC., US
[22] 2017-09-05
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[51] **Int.Cl. A01B 73/04 (2006.01)**
[25] EN
[54] **PIVOTABLE LIFT ASSIST ASSEMBLY FOR AN AGRICULTURAL IMPLEMENT**
[54] **APPAREIL D'AIDE AU LEVAGE PIVOTANT DESTINE A UN ACCESSOIRE AGRICOLE**
[72] TOTTEN, KIP, US
[72] BORIACK, CALE, US
[72] ANDERSON, BRIAN J., US
[72] PRICKEL, MARVIN A., US
[71] CNH INDUSTRIAL AMERICA LLC, US
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[25] EN
[54] **FOLDING STAND FOR AN AGRICULTURAL IMPLEMENT**
[54] **SUPPORT PLIANT DESTINE A UN ACCESSOIRE AGRICOLE**
[72] FERNANDO, BUWENEKE, US
[71] CNH INDUSTRIAL AMERICA LLC, US
[22] 2017-09-25
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[25] EN
[54] **SPRING PRE-TENSIONING DEVICE FOR ROLL BLIND**
[54] **DISPOSITIF PRETENDEUR A RESSORT DESTINE A UN STORE ENROULEUR**
[72] KWAK, JAE-SUK, KR
[71] KWAK, JAE-SUK, KR
[22] 2017-10-16
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[30] KR (10-2016-0179173) 2016-12-26

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[51] **Int.Cl. G06Q 10/04 (2012.01) G06Q 10/06 (2012.01) H04W 4/029 (2018.01)**
[25] EN
[54] **METHOD FOR USING THE CAPACITY OF FACILITIES IN A SKI AREA, A TRADE FAIR, AN AMUSEMENT PARK, OR A STADIUM**
[54] **METHODE D'UTILISATION DE LA CAPACITE DES INSTALLATIONS DANS UNE REGION DE SKI, UNE FOIRE COMMERCIALE, UN PARC D'ATTRACTIONS OU UN STADE**
[72] HAIDACHER, MARTIN, AT
[72] SCHLECHTER, THOMAS, AT
[71] SKIDATA AG, AT
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[41] 2018-06-29
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[25] EN
[54] **ACTIVATION MODE CONTROL OF OILFIELD TOOLS**
[54] **CONTROLE DE MODE D'ACTIVATION D'OUTILS DE CHAMP PETROLIER**
[72] CANNING, SEAN C., US
[72] MERRON, MATTHEW JAMES, US
[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL L., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
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[51] **Int.Cl. B64D 15/16 (2006.01) B32B 7/08 (2006.01) B32B 27/28 (2006.01)**
[25] FR
[54] **PNEUMATIC DE-ICING DEVICE TO BREAK AND REMOVE ACCUMULATED ICE DEPOSITS ON THE OUTER SURFACE OF AN AIRCRAFT**
[54] **DISPOSITIF DE DEGIVRAGE DE TYPE PNEUMATIQUE POUR BRISER ET RETIRER UN DEPOT DE GLACE ACCUMULEE SUR LA SURFACE EXTERIEURE D'UN AERONEF**
[72] BRIAND, VALERIE, FR
[71] ZODIAC AEROSAFETY SYSTEMS, FR
[22] 2017-11-01
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[25] FR
[54] **PNEUMATIC DE-ICING DEVICE TO BREAK AND REMOVE ACCUMULATED ICE DEPOSITS ON THE OUTER SURFACE OF AN AIRCRAFT**
[54] **DISPOSITIF DE DEGRIVRAGE DE TYPE PNEUMATIQUE POUR BRISER ET RETIRER UN DEPOT DE GLACE ACCUMULEE SUR LA SURFACE EXTERIEURE D'UN AERONEF**
[72] BRIAND, VALERIE, FR
[71] ZODIAC AEROSAFETY SYSTEMS, FR
[22] 2017-11-01
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[25] EN
[54] **ELECTRONIC CONTENT DISTRIBUTION SYSTEM**
[54] **SYSTEME DE DISTRIBUTION DE CONTENU ELECTRONIQUE**
[72] FUJITA, YASUSHI, JP
[71] MEDIA DO HOLDINGS CO., LTD., JP
[22] 2017-11-02
[41] 2018-06-28
[30] JP (2016-256083) 2016-12-28

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[25] EN
[54] **METHOD FOR ANALYZING INFLUENCER MARKETING EFFECTIVENESS**
[54] **METHODE D'ANALYSE DE L'EFFICACITE D'INFLUENCEUR MARKETING**
[72] EYAL, GIL, US
[72] TAMIR, GUY, US
[71] MOGIMO, INC., US
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[51] **Int.Cl. E06B 9/42 (2006.01)**
[25] EN
[54] **CONTROL APPARATUS FOR A WINDOW BLIND**
[54] **APPAREIL DE COMMANDE D'UN STORE DE FENETRE**
[72] CHENG, CHING-HSIANG, CN
[71] CHENG, CHING-HSIANG, CN
[22] 2017-11-15
[41] 2018-06-26
[30] TW (105143151) 2016-12-26

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[51] **Int.Cl. C11D 17/06 (2006.01) C11D 3/34 (2006.01) C11D 3/395 (2006.01) C11D 7/34 (2006.01) C11D 7/54 (2006.01)**
[25] EN
[54] **GRANULATES, THEIR USE AND WASHING AGENTS AND CLEANING AGENTS CONTAINING SAME**
[54] **GRANULES, LEUR UTILISATION, ET AGENTS DE LAVAGE ET AGENTS DE NETTOYAGE EN CONTENANT**
[72] BARRELEIRO, PAULA, DE
[72] MORSCHHAUSER, ROMAN, DE
[72] KUHSE, BO, DE
[72] LUDWIG, ROLF, DE
[71] WEYLCHEM WIESBADEN GMBH, DE
[22] 2017-11-28
[41] 2018-06-30
[30] DE (10 2016 015 660.0) 2016-12-31

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[13] A1
[51] **Int.Cl. E21B 47/18 (2012.01) E21B 44/00 (2006.01)**
[25] EN
[54] **FLUID PRESSURE PULSE GENERATOR FOR A TELEMETRY TOOL**
[54] **GENERATEUR D'IMPULSION DE PRESSION DE FLUIDE DESTINE A UN OUTIL DE TELEMETRIE**
[72] STACK, LUKE, CA
[72] LOGAN, AARON W., CA
[72] LOGAN, JUSTIN C., CA
[72] LEE, GAVIN GAW-WAE, CA
[71] EVOLUTION ENGINEERING INC., CA
[22] 2017-12-04
[41] 2018-06-29
[30] US (62/440,012) 2016-12-29

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[21] **2,988,272**
[13] A1
[51] **Int.Cl. B26B 29/06 (2006.01)**
[25] EN
[54] **GUIDE DEVICE FOR CUTTING TUBING**
[54] **DISPOSITIF GUIDE DE COUPE DE TUBULURE**
[72] STACK, LUKE ANTHONY, CA
[72] LOGAN, JUSTIN CHRISTOPHER, CA
[72] LOGAN, AARON WILLIAM, CA
[72] FRANCOEUR, ANGELICA J.B., CA
[72] CRILLY, MORGAN E., CA
[71] EVOLUTION ENGINEERING INC., CA
[22] 2017-12-08
[41] 2018-06-28
[30] US (62/429,651) 2016-12-28

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[21] **2,988,287**
[13] A1
[51] **Int.Cl. F16L 15/04 (2006.01) E21B 17/04 (2006.01) F16L 15/08 (2006.01)**
[25] EN
[54] **HAMMERLESS PIPE UNION**
[54] **RACCORD DE TUYAU SANS MARTEAU**
[72] NELSEN, BLAIR, CA
[72] CHISHOLM, JAMES, CA
[72] GUNDERSON, CODY, CA
[71] NELSEN TECHNOLOGIES INC., CA
[22] 2017-12-07
[41] 2018-06-30
[30] US (62/440,768) 2016-12-30

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[21] **2,988,297**
[13] A1
[51] **Int.Cl. G01N 27/416 (2006.01)**
[25] EN
[54] **METHODS FOR DETECTING A BIOMARKER BY ALTERNATING CURRENT ELECTROKINETICS**
[54] **METHODES DE DETECTION D'UN BIOMARQUEUR PAR ELECTROCINETIQUE DE COURANT ALTERNATIF**
[72] WU, JIE, US
[72] EDA, SHIGETOSHI, US
[71] UNIVERSITY OF TENNESSEE RESEARCH FOUNDATION, US
[22] 2017-12-11
[41] 2018-06-28
[30] US (15/392,412) 2016-12-28

[21] **2,988,350**
[13] A1
[51] **Int.Cl. B23Q 7/00 (2006.01)**
[25] EN
[54] **WORK TABLE FENCE ASSEMBLY AND SLED THEREFOR**
[54] **DISPOSITIF DE TABLE DE TRAVAIL EN BORDURE DE CLOTURE ET TRAINEAU ASSOCIE**
[72] SMITH, DARRIN E., CA
[71] JESSEM PRODUCTS LIMITED, CA
[22] 2017-12-11
[41] 2018-06-29
[30] US (15/393,948) 2016-12-29

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[21] **2,988,371**
[13] A1
[51] **Int.Cl. H01L 29/78 (2006.01) H01L 21/31 (2006.01)**
[25] EN
[54] **SWITCHING ELEMENT AND METHOD OF MANUFACTURING SWITCHING ELEMENT**
[54] **ELEMENT COMMUTATEUR ET METHODE DE FABRICATION DE L'ELEMENT COMMUTATEUR**
[72] YAMADA, TETSUYA, JP
[72] OKAWA, TAKASHI, JP
[72] MORI, TOMOHIKO, JP
[72] UEDA, HIROYUKI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-12-12
[41] 2018-06-27
[30] JP (2016-253898) 2016-12-27

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[21] **2,988,489**
[13] A1
[51] **Int.Cl. A01K 39/01 (2006.01)**
[25] EN
[54] **ORIOLE BIRD FEEDER WITH TAPERED PORT ACCESS CHANNEL AND INTEGRATED PERCH**
[54] **MANGEOIRE A ORIOLE DOTE D'UN CANAL D'ACCES A OUVERTURE CONIQUE ET D'UN PERCHOIR INTEGRE**
[72] HANEY, LUKE BENJAMIN, US
[71] WOODSTREAM CORPORATION, US
[22] 2017-12-11
[41] 2018-06-30
[30] US (15/395,451) 2016-12-30

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[21] **2,988,511**
[13] A1
[51] **Int.Cl. E05B 47/00 (2006.01)**
[25] EN
[54] **REMOTE LOCKING SYSTEM ARCHITECTURE AND USER INTERFACE**
[54] **ARCHITECTURE DE SYSTEME DE VERROUILLAGE A DISTANCE ET INTERFACE UTILISATEUR**
[72] SHARP, WILLIAM T., US
[72] DOERFLINGER, DAVID, US
[72] EGGERT, DANIEL, US
[71] SNAP-ON INCORPORATED, US
[22] 2017-12-11
[41] 2018-06-29
[30] US (15/393,878) 2016-12-29

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[21] **2,988,862**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)**
[25] EN
[54] **LOTTERY TICKET DISPENSING BIN WITH A RETARDING TORQUE DRIVE SYSTEM TO PREVENT TICKET REELING**
[54] **BAC DE DISTRIBUTION DE BILLET DE LOTERIE A SYSTEME D'ENTRAINEMENT A COUPLE RETARDE AFIN D'EMPECHER LE DEROULEMENT DE BILLET**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] MOELGAARD, HENRIK, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-12-14
[41] 2018-06-29
[30] US (15/394,195) 2016-12-29

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[21] **2,988,868**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)**
[25] EN
[54] **SMART BIN LOTTERY TICKET DISPENSER WITH CALIBRATED TICKET FEED**
[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE A BAC INTELLIGENT DOTE D'UN MECANISME D'ALIMENTATION DE BILLET ETALONNE**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-12-14
[41] 2018-06-29
[30] US (15/394,076) 2016-12-29

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[21] **2,988,871**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)**
[25] EN
[54] **SMART BIN LOTTERY TICKET DISPENSER WITH CALIBRATED TICKER FEED**
[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE A BAC INTELLIGENT DOTE D'UN MECANISME D'ALIMENTATION A CLIQUET ETALONNE**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[72] THOMPSON, MARK ANDREW, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-12-14
[41] 2018-06-29
[30] US (15/394,036) 2016-12-29

[21] **2,988,876**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)**
[25] EN
[54] **SMART BIN LOTTERY TICKET DISPENSER WITH CALIBRATED TICKET FEED**
[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE A BAC INTELLIGENT DOTE D'UN MECANISME D'ALIMENTATION DE BILLET ETALONNE**
[72] MEJENBORG, STEN HALLUNDBAEK, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-12-14
[41] 2018-06-29
[30] US (15/394,052) 2016-12-29

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[21] **2,988,881**
[13] A1
[51] **Int.Cl. G07C 15/00 (2006.01) G07B 3/00 (2006.01) G07B 5/00 (2006.01)**
[25] EN
[54] **SMART BIN LOTTERY TICKET DISPENSER WITH ELECTRONIC DISPLAYS**
[54] **DISTRIBUTEUR DE BILLETS DE LOTERIE A BAC INTELLIGENT DOTE D'AFFICHEURS ELECTRONIQUES**
[72] GHIA, AJAY J., US
[72] CHRISTENSEN, KENT, US
[72] MEJENBORG, STEN HALLUNDBAEK, US
[71] SCIENTIFIC GAMES INTERNATIONAL, INC., US
[22] 2017-12-14
[41] 2018-06-29
[30] US (15/394,012) 2016-12-29

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[21] **2,988,915**
[13] A1
[51] **Int.Cl. F21V 21/04 (2006.01) F21S 8/02 (2006.01)**
[25] EN
[54] **ILLUMINATOR SYSTEM WITH ADJUSTABLE FRAME**
[54] **SYSTEME D'ILLUMINATEUR DOTE D'UN CADRE AJUSTABLE**
[72] ZHOU, SHOUYONG, CN
[72] GAO, HONGLEI, CN
[72] ZHOU, CUIJUAN, CN
[72] LI, HUI, CN
[72] REN, JUNQI, CN
[72] MEADOWS, ERIC, US
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-12-14
[41] 2018-06-30
[30] CN (201611259392.9) 2016-12-30

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[21] **2,989,014**
[13] A1
[51] **Int.Cl. F16L 21/08 (2006.01) F16L 1/11 (2006.01) F16L 13/00 (2006.01) F16L 25/00 (2006.01) F16L 25/06 (2006.01) F16L 37/084 (2006.01) F16L 37/22 (2006.01)**
[25] EN
[54] **SYSTEM, METHOD AND APPARATUS FOR SHEATHED RETAINER FOR A RESTRAINED PIPE JOINT**
[54] **SYSTEME, METHODE ET APPAREIL DESTINES A UN DISPOSITIF DE RETENUE GAINE D'UN JOINT DE TUYAU LIMITE**
[72] YASHIN, DMITRY, US
[71] WESTLAKE CHEMICAL CORPORATION, US
[22] 2017-12-13
[41] 2018-06-27
[30] US (62/439,247) 2016-12-27

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[21] **2,989,220**
[13] A1
[51] **Int.Cl. B61D 45/00 (2006.01) B60P 1/64 (2006.01) B60P 7/06 (2006.01) B65G 67/04 (2006.01)**
[25] EN
[54] **RAIL CAR RACK**
[54] **SUPPORT DE WAGON**
[72] FULLER, BRYAN MATTHEW, US
[72] ZAPATA, MAXIMO RIVERA, US
[72] KIRK, DREW ALEXANDER, US
[71] GUARDIAN GLASS, LLC, US
[22] 2017-12-15
[41] 2018-06-30
[30] US (62/440,680) 2016-12-30
[30] US (15/805,331) 2017-11-07

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[21] **2,989,348**
[13] A1
[51] **Int.Cl. A61B 18/14 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **CATHETER WITH TAPERED SUPPORT MEMBER FOR VARIABLE ARCUATE DISTAL ASSEMBLY**
[54] **CATHETER DOTE D'UN ELEMENT DE SUPPORT BIAISE DESTINE A UN MECANISME DISTAL COURBE VARIABLE**
[72] SELKEE, THOMAS V., US
[72] JIMENEZ, JOSE L., US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-15
[41] 2018-06-28
[30] US (15/393,155) 2016-12-28

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[21] **2,989,350**
[13] A1
[51] **Int.Cl. A61M 25/00 (2006.01) A61B 50/33 (2016.01)**
[25] EN
[54] **MODULAR CATHETER PACKAGING**
[54] **EMBALLAGE DE CATHETER MODULAIRE**
[72] DE SOTO, JOHN ALDO, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-15
[41] 2018-06-26
[30] US (15/393,126) 2016-12-26

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[21] **2,989,481**
[13] A1
[51] **Int.Cl. E06B 9/02 (2006.01) E05F 15/41 (2015.01) E06B 9/04 (2006.01) E06B 9/28 (2006.01)**
[25] EN
[54] **MOTORIZED SHUTTER ASSEMBLY**
[54] **ASSEMBLAGE DE VOLET MOTORISE**
[72] FRASER, DONALD E., US
[71] HUNTER DOUGLAS INC., US
[22] 2017-12-19
[41] 2018-06-28
[30] US (62/439,527) 2016-12-28

[21] **2,989,487**
[13] A1
[51] **Int.Cl. E01F 15/00 (2006.01) E01F 9/30 (2016.01) E01F 11/00 (2006.01) G05D 13/08 (2006.01)**
[25] EN
[54] **ELEVATION MECHANISM FOR AN ARTICULATED PLATFORM FOR STREETS**
[54] **MECANISME D'ELEVATION D'UNE PLATEFORME DE RUE ARTICULEE**
[72] GONZALEZ DE COSIO LEAL, RICARDO, MX
[71] INTELIGENCIA VIAL, S.A.P.I. DE C.V., MX
[22] 2017-12-19
[41] 2018-06-28
[30] US (15/392,669) 2016-12-28

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[21] **2,989,493**
[13] A1
[51] **Int.Cl. E21B 47/13 (2012.01) G08C 17/02 (2006.01)**
[25] EN
[54] **DOWNHOLE RECEPTION AND TRANSMISSION OF ELECTROMAGNETIC DATA TELEMETRY SIGNALS**
[54] **RECEPTION ET TRANSMISSION EN FOND DE TROU SIGNAUX DE DONNEES ELECTROMAGNETIQUES DE TELEMETRIE**
[72] DOWN, ALEXANDER, CA
[72] LOGAN, AARON, CA
[72] VAN SCHALKWYK, THEUNIS, CA
[72] KUCHMA, ROSTYSLAV, CA
[72] KAZEMI MIRAKI, MOJTABA, CA
[71] PHOENIX TECHNOLOGY SERVICES INC., CA
[22] 2017-12-18
[41] 2018-06-30
[30] US (62/440617) 2016-12-30

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[21] **2,989,495**
[13] A1
[51] **Int.Cl. F25B 49/02 (2006.01) F25B 1/10 (2006.01) F25B 5/02 (2006.01) F25B 9/08 (2006.01)**
[25] EN
[54] **FLASH TANK PRESSURE CONTROL FOR TRANSCRITICAL SYSTEM WITH EJECTOR(S)**
[54] **COMMANDE DE PRESSION DE RESERVOIR DE DETENTE DESTINEE A UN SYSTEME TRANSCRITIQUE DOTE D'EJECTEURS**
[72] NAJAFIFARD, FARDIS, US
[71] HEATCRAFT REFRIGERATION PRODUCTS LLC, US
[22] 2017-12-19
[41] 2018-06-30
[30] US (15/395,645) 2016-12-30

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[21] **2,989,544**
[13] A1
[51] **Int.Cl. B26F 3/12 (2006.01) B26D 1/547 (2006.01) B26D 7/00 (2006.01)**
[25] FR
[54] **DIE-CUTTING MACHINE WITH DOUBLE HOT WIRE**
[54] **MACHINE DE DECOUPE A DOUBLE FIL CHAUD**
[72] ANNEQUIN, DAVID, FR
[71] PROCARV, FR
[22] 2017-12-19
[41] 2018-06-29
[30] FR (16 63 517) 2016-12-29

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[21] **2,989,562**
[13] A1
[51] **Int.Cl. B60R 16/023 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR IMPROVING ELECTRONIC COMPONENT QUALITY DURING THE MANUFACTURE OF VEHICLES**
[54] **SYSTEMES ET METHODES D'AMELIORATION DE LA QUALITE DE COMPOSANT ELECTRONIQUE PENDANT LA FABRICATION DE VEHICULES**
[72] LEWIS, BRIGGS R-D, US
[71] PACCAR INC, US
[22] 2017-12-20
[41] 2018-06-30
[30] US (15/395,781) 2016-12-30

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[21] **2,989,565**
[13] A1
[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **ATOMIZER AND ELECTRONIC CIGARETTE HAVING SAME**
[54] **ATOMISEUR ET CIGARETTE ELECTRONIQUE COMPORTANT LEDIT ATOMISEUR**
[72] CHEN, WEN, CN
[71] SHENZHEN IVPS TECHNOLOGY CO., LTD., CN
[22] 2017-12-20
[41] 2018-06-27
[30] CN (201621452909.1) 2016-12-27

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[21] **2,989,567**
[13] A1
[51] **Int.Cl. B60R 16/023 (2006.01)**
[25] EN
[54] **VEHICLE COMMUNICATION SYSTEM**
[54] **MECANISME DE COMMUNICATION POUR VEHICULE**
[72] NAKAGAWA, MASASHI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-12-20
[41] 2018-06-26
[30] JP (2016-251968) 2016-12-26

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[21] **2,989,648**
[13] A1
[51] **Int.Cl. H04W 28/16 (2009.01)**
[25] FR
[54] **OPTIMIZATION METHOD AND DEVICE FOR THE COEXISTENCE OF RADIO ELECTRIC PICO-NETWORKS**
[54] **PROCEDE ET DISPOSITIF D'OPTIMISATION DE LA COEXISTENCE DE PICO-RESEAUX RADIOELECTRIQUES**
[72] KELLER, CHRISTOPHE, FR
[72] VALVERDE, LUCAS, FR
[71] AVANTIX, FR
[22] 2017-12-18
[41] 2018-06-29
[30] FR (1663519) 2016-12-29

[21] **2,989,704**
[13] A1
[51] **Int.Cl. G09G 5/377 (2006.01) G16H 30/00 (2018.01) A61B 5/0402 (2006.01) G06F 3/14 (2006.01)**
[25] EN
[54] **VISUALIZATION OF DISTANCES ON AN ELECTROANATOMICAL MAP**
[54] **VISUALISATION DES DISTANCES SUR UN PLAN ELECTROANATOMIQUE**
[72] BUSTAN, ITAMAR, IL
[72] ILAN, IDO, IL
[72] KRUPNIK, RONEN, IL
[72] COHEN, ASSAF, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-20
[41] 2018-06-30
[30] US (15/394,969) 2016-12-30

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[21] **2,989,707**
[13] A1
[51] **Int.Cl. A61B 34/10 (2016.01) A61B 5/044 (2006.01) A61B 5/0452 (2006.01)**
[25] EN
[54] **SELECTING POINTS ON AN ELECTROANATOMICAL MAP**
[54] **SELECTION DE POINTS SUR UN PLAN ELECTROANATOMIQUE**
[72] COHEN, ASSAF, IL
[72] MASSARWI, FADY, IL
[72] ILAN, IDO, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-20
[41] 2018-06-30
[30] US (15/394,980) 2016-12-30

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[21] **2,989,749**
[13] A1
[51] **Int.Cl. E04F 15/10 (2006.01)**
[25] EN
[54] **FLOOR COVERING**
[54] **REVETEMENT DE SOL**
[72] UNUSTASI, CAN, TR
[71] VICTORY SOLUTIONS LTD., HK
[22] 2017-12-21
[41] 2018-06-28
[30] US (62/439611) 2016-12-28

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[21] **2,989,848**
[13] A1
[51] **Int.Cl. A45F 5/00 (2006.01)**
[25] EN
[54] **PHONE CARRIER**
[54] **SUPPORT DE TELEPHONE**
[72] ZAGORSKI, LILIAN, US
[71] BLACK RAPID, INC., US
[22] 2017-12-21
[41] 2018-06-27
[30] US (15/833,587) 2017-12-06
[30] US (62/439,349) 2016-12-27

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[21] **2,989,852**
[13] A1
[51] **Int.Cl. H01M 8/2483 (2016.01)**
[25] EN
[54] **FUEL CELL STACK AND DUMMY CELL**
[54] **EMPILEMENT DE PILE A COMBUSTIBLE ET FAUSSE PILE**
[72] KANNO, DAISUKE, JP
[72] YAMASAKI, TAKENORI, JP
[72] IDA, ATSUSHI, JP
[72] HAYASHI, DAISUKE, JP
[72] KURITA, SHUJI, JP
[72] KONDO, TAKASHI, JP
[72] HASHIMOTO, KEIJI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[71] TOYOTA SHATAI KABUSHIKI KAISHA, JP
[22] 2017-12-21
[41] 2018-06-28
[30] JP (2016-255020) 2016-12-28

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[21] **2,989,876**
[13] A1
[51] **Int.Cl. B60S 3/04 (2006.01) B61K 13/00 (2006.01)**
[25] EN
[54] **RAIL WHEEL CLEANING SYSTEM**
[54] **SYSTEME DE NETTOYAGE DE GALET DE ROULEMENT**
[72] LACROIX, BARRY, CA
[71] KELSO TECHNOLOGIES INC., CA
[22] 2017-12-22
[41] 2018-06-29
[30] US (62/439,935) 2016-12-29

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[13] A1
[51] **Int.Cl. G06Q 50/00 (2012.01) A63F 1/18 (2006.01) G06K 7/10 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **MANAGEMENT SYSTEM OF GAMING CHIPS AND STORAGE BOX**
[54] **SYSTEME DE GESTION DE JETONS DE JEU ET BOITE DE RANGEMENT**
[72] SHIGETA, YASUSHI, JP
[71] ANGEL PLAYING CARDS CO., LTD., JP
[22] 2017-12-22
[41] 2018-06-30
[30] JP (2016-258007) 2016-12-30

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[21] **2,989,887**
[13] A1
[51] **Int.Cl. H02G 9/00 (2006.01) H04W 88/08 (2009.01) H02G 3/04 (2006.01)**
[25] EN
[54] **RODENT RESISTANT GROUND LEVEL ICE BRIDGE**
[54] **PONT DE GLACE AU NIVEAU DU SOL RESISTANT AUX RONGEURS**
[72] POWELL, MIKE, CA
[71] BCE INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440,046) 2016-12-29

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[21] **2,989,888**
[13] A1
[51] **Int.Cl. H04N 21/462 (2011.01) H04N 21/643 (2011.01) H04N 21/658 (2011.01)**
[25] EN
[54] **DELIVERY OF ELECTRONIC PROGRAMMING GUIDE USING A CACHING CONTENT DELIVERY NETWORK**
[54] **DISTRIBUTION D'UN GUIDE DE PROGRAMMATION ELECTRONIQUE AU MOYEN D'UN RESEAU DE DISTRIBUTION DE CONTENU DE CACHE**
[72] LEGENDRE, GEORGES-ETIENNE, CA
[72] SNYDER, CHRIS, CA
[72] TARDIF, FREDERIC, CA
[72] LAVIGNE-GIROUX, SIMON, CA
[71] BCE INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440,091) 2016-12-29

[21] **2,989,891**
[13] A1
[51] **Int.Cl. H04N 21/6332 (2011.01) H04N 21/6377 (2011.01) H04N 21/643 (2011.01) H04N 21/647 (2011.01) H04W 76/10 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR ACCESSING MULTIMEDIA CONTENT**
[54] **SYSTEME ET METHODE D'ACCES AU CONTENU MULTIMEDIA**
[72] WONG, ALEXANDER, CA
[71] BCE INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440,069) 2016-12-29

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[21] **2,989,893**
[13] A1
[51] **Int.Cl. H04W 4/21 (2018.01) H04W 4/12 (2009.01) H04W 40/20 (2009.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR GENERATING SOCIAL GRAPH INFORMATION**
[54] **METHODE ET SYSTEME DE GENERATION D'INFORMATION DE GRAPHIQUE SOCIAL**
[72] LEBESIS, NICHOLAS, CA
[72] WONG, ALEXANDER, CA
[71] BCE INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440,154) 2016-12-29

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[21] **2,989,897**
[13] A1
[51] **Int.Cl. H04L 12/26 (2006.01) H04L 12/22 (2006.01)**
[25] EN
[54] **CYBER THREAT INTELLIGENCE SYSTEM INFRASTRUCTURE**
[54] **INFRASTRUCTURE DE SYSTEME D'INTELLIGENCE DE CYBERMENACE**
[72] HABIB, HAKEM, CA
[72] SINGH GIDDA, KUSHWANT, CA
[72] STILL, COREY, CA
[72] BRODA, MACIEJ, CA
[72] RAZAVI, AMIR, CA
[72] KITCHING, MATTHEW, CA
[72] HERVIEUX, MARC-ANDRE, CA
[72] SKINNER, JAMES, CA
[72] CHOWDHURY, MAHAMUDUL, CA
[72] DHANJI, SHAFFIQ, CA
[71] BCE INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440,212) 2016-12-29

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[13] A1
[51] **Int.Cl. E06B 1/04 (2006.01) E06B 1/56 (2006.01) E06B 1/62 (2006.01)**
[25] EN
[54] **ADJUSTABLE SHIM AND PRE-HUNG DOOR WITH THE SAME**
[54] **CALE AJUSTABLE ET PORTE PREINSTALLEE COMPORTANT LADITE CALE AJUSTABLE**
[72] MITCHELL, MICHAEL K., US
[71] ENDURA PRODUCTS, INC., US
[22] 2017-12-22
[41] 2018-06-29
[30] US (62/439,925) 2016-12-29
[30] US (15/850,962) 2017-12-21

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[13] A1
[51] **Int.Cl. A61G 5/06 (2006.01)**
[25] EN
[54] **VARIABLE SPEED PATIENT TRANSER APPARATUS**
[54] **APPAREIL DE TRANSFERT DE PATIENT A VITESSE VARIABLE**
[72] FURMAN, AARON, US
[72] GOPALKRISHNAN, JANANI, US
[72] BROSNAN, DANIEL, US
[72] SCHAAF, DARREN, US
[72] NABER, BRANDON, US
[72] LUCAS, ROSS, US
[72] HENEVELD, ROSS, US
[72] SOUKE, CHAD, US
[72] HOUGH, CHRIS, US
[72] GENTILE, CHRIS, US
[72] MANSFIELD, JOSHUA, US
[71] STRYKER CORPORATION, US
[22] 2017-12-22
[41] 2018-06-27
[30] US (62/439,379) 2016-12-27

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[13] A1
[51] **Int.Cl. E04B 1/32 (2006.01) E04B 7/08 (2006.01)**
[25] EN
[54] **QUONSET BUILDING WITH INTERNAL TOWER SUPPORT**
[54] **BATIMENT QUONSET DOTE D'UN SUPPORT DE TOUR INTERIEUR**
[72] KLEISINGER, CHAD, CA
[72] FROESE, ANDREW, CA
[72] RIFFEL, ANDREAS, CA
[71] MERIDIAN MANUFACTURING INC., CA
[22] 2017-12-21
[41] 2018-06-29
[30] US (62/440120) 2016-12-29
[30] US (15/841753) 2017-12-14

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[13] A1
[51] **Int.Cl. B60K 15/00 (2006.01) B60W 40/12 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR IDENTIFYING A FUEL LOSS**
[54] **SYSTEME ET METHODE DE DETERMINATION DE PERTE DE CARBURANT**
[72] STEVENSON, DAVID L., US
[72] BONES, SARAH, US
[71] S1 TECHNOLOGIES, INC., US
[22] 2017-12-27
[41] 2018-06-27
[30] US (15/391,813) 2016-12-27

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[13] A1
[51] **Int.Cl. G06F 21/50 (2013.01) G06F 21/55 (2013.01) G06F 17/30 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING RESOURCES RESPONSIBLE FOR EVENTS**
[54] **SYSTEMES ET METHODES DE DETECTION DE RESSOURCES RESPONSABLES D'EVENEMENTS**
[72] MORADI, CHRIS, US
[72] SISK, JACOB, US
[72] BLOOM, EVAN, US
[72] GIMBY, CRAIG, US
[72] SUN, XIN, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-22
[41] 2018-06-30
[30] US (62/440,949) 2016-12-30

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[13] A1
[51] **Int.Cl. B65B 25/02 (2006.01)**
[25] EN
[54] **MULTI-PIECE DEVICE FOR MOVING AND STORING POTTED PLANTS AND OTHER OBJECTS HAVING A BASE**
[54] **APPAREIL MULTIPIECE DESTINE A DEPLACER ET ENTREPOSER DES PLANTES EN POT ET AUTRES OBJETS COMPORTANT UNE BASE**
[72] KOHN, STEVE, US
[72] RIGAZIO, AMY, US
[72] RADAKOVICH, JAIME, US
[71] KOHN, STEVE, US
[71] RIGAZIO, AMY, US
[71] RADAKOVICH, JAIME, US
[22] 2017-12-27
[41] 2018-06-27
[30] US (15/391,787) 2016-12-27
[30] US (15/456,492) 2017-03-11
[30] US (15/622,534) 2017-06-14

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[13] A1
[51] **Int.Cl. C08J 9/35 (2006.01) C08K 3/013 (2018.01) C08K 7/00 (2006.01) C08L 101/00 (2006.01)**
[25] EN
[54] **COMPOSITE MATERIAL AND METHOD OF PRODUCING THE SAME**
[54] **MATERIAU COMPOSITE ET PROCEDE DE FABRICATION ASSOCIE**
[72] NAKANISHI, KOJI, JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-12-27
[41] 2018-06-28
[30] JP (2016-256717) 2016-12-28

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[51] **Int.Cl. G06T 15/00 (2011.01) G06T 15/06 (2011.01) A61B 34/00 (2016.01) A61B 34/10 (2016.01) G06F 3/14 (2006.01) G09G 5/37 (2006.01) A61B 18/04 (2006.01)**
[25] EN
[54] **FAST RENDERING OF QUADRICS**
[54] **RENDU RAPIDE DE SURFACE QUADRIQUE**
[72] ZAR, LIOR, IL
[72] KATZ, NATAN SHARON, IL
[72] COHEN, BENJAMIN, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-21
[41] 2018-06-25
[30] US (15/390,509) 2016-12-25

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[51] **Int.Cl. G06T 15/00 (2011.01) G06T 15/06 (2011.01) G06F 3/14 (2006.01) G09G 5/37 (2006.01) A61B 5/0402 (2006.01)**
[25] EN
[54] **FAST RENDERING OF QUADRICS AND MARKING OF SILHOUETTES THEREOF**
[54] **RENDU RAPIDE DE SURFACE QUADRIQUE ET MARQUAGE DE SILHOUETTES ASSOCIE**
[72] COHEN, BENJAMIN, IL
[72] KATZ, NATAN SHARON, IL
[72] ZAR, LIOR, IL
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
[22] 2017-12-21
[41] 2018-06-25
[30] US (15/390,509) 2016-12-25
[30] US (15/839,039) 2017-12-12

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[13] A1
[51] **Int.Cl. B65H 75/18 (2006.01) B65D 85/04 (2006.01) B65H 55/02 (2006.01) B65H 75/14 (2006.01)**
[25] EN
[54] **COLLAR RETENTION SYSTEM FOR PACKAGING DEVICE FOR DISPENSING ELONGATED FLEXIBLE MATERIAL**
[54] **SYSTEME DE RETENTION DE COLLIER DESTINE A UN APPAREIL D'EMBALLAGE SERVANT A DISTRIBUER UN MATERIAU FLEXIBLE ALLONGE**
[72] DUNAR, DANIEL, US
[72] MEACHUM, BRIAN, US
[71] HONEYWELL INTERNATIONAL INC., US
[22] 2017-12-22
[41] 2018-06-28
[30] US (15/850,076) 2017-12-21
[30] US (62/439,627) 2016-12-28

[21] **2,990,119**
[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SMART CARD SECURE ONLINE CHECKOUT**
[54] **VERIFICATION EN LIGNE SECURISEE DE CARTE INTELLIGENTE**
[72] ZARAKAS, JAMES, US
[72] LAFEER, MOHAMED FIROZE, US
[72] JOHNSON, MOLLY, US
[72] SANGI, SALEEM, US
[72] KELLY, KEVIN, US
[72] KOEPPEL, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-22
[41] 2018-06-28
[30] US (62/439594) 2016-12-28
[30] US (15/708619) 2017-09-19

[21] **2,990,122**
[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SMART CARD MULTI-FACTOR AUTHENTICATION DEVICE**
[54] **DISPOSITIF D'AUTHENTIFICATION MULTIFACTEUR DE CARTE INTELLIGENTE**
[72] LOCKE, TYLER, US
[72] KELLY, KEVIN P., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-22
[41] 2018-06-28
[30] US (62/439585) 2016-12-28
[30] US (15/661493) 2017-07-27

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[13] A1
[51] **Int.Cl. E21B 44/00 (2006.01) E21B 41/00 (2006.01) E21B 47/00 (2012.01)**
[25] EN
[54] **SURFACE DISPLAY INTERFACE FOR DATA FROM DOWNHOLE SYSTEMS**
[54] **INTERFACE D'AFFICHAGE DE SURFACE DE DONNEES DE SYSTEMES DE FOND DE TROU**
[72] SWITZER, DAVID A., CA
[72] LOGAN, AARON W., CA
[72] WEST, KURTIS K. L., CA
[72] FRANCOEUR, ANGELICA J. B., CA
[72] PELLETIER, GILLES A., CA
[72] XU, SHENG, CA
[72] MEN, ANQUAN, CA
[72] BUTERNOWSKY, BARRY D., CA
[72] HUSTON, SABRINA M., CA
[72] HARDING, GRANT E., CA
[71] EVOLUTION ENGINEERING INC., CA
[22] 2017-12-22
[41] 2018-06-28
[30] US (62/439881) 2016-12-28

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[13] A1
[51] **Int.Cl. F21V 31/03 (2006.01) F21V 29/83 (2015.01) F21K 9/23 (2016.01) F21K 9/237 (2016.01) F21K 9/238 (2016.01) F21V 31/00 (2006.01)**
[25] EN
[54] **LAMP AND LIGHTING FIXTURE COMPRISING THE LAMP**
[54] **LAMPE ET APPAREIL D'ECLAIRAGE COMPORTANT LA LAMPE**
[72] SUO, YIN, CN
[72] LEI, MING, CN
[72] ZHOU, HUISHENG, CN
[71] GE LIGHTING SOLUTIONS, LLC, US
[22] 2017-12-27
[41] 2018-06-27
[30] CN (201611225008.3) 2016-12-27

[21] **2,990,137**
[13] A1
[51] **Int.Cl. H04B 1/10 (2006.01) H04B 7/01 (2006.01) H04B 7/12 (2006.01)**
[25] EN
[54] **METHOD OF COMBATTING INTERFERENCE BY SPATIAL FILTERING OR SPATIO-TEMPORAL FILTERING IN A MULTI-CHANNEL RECEIVER**
[54] **METHODE DE LUTTE CONTRE L'INTERFERENCE PAR FILTRAGE SPATIAL OU FILTRAGE SPATIO-TEMPOREL DANS UN RECEPTEUR MULTICANAL**
[72] PIPON, FRANCOIS, FR
[71] THALES, FR
[22] 2017-12-27
[41] 2018-06-29
[30] FR (1601894) 2016-12-29

[21] **2,990,142**
[13] A1
[51] **Int.Cl. F03D 3/00 (2006.01) F03D 3/04 (2006.01) F03D 7/06 (2006.01) F03D 5/06 (2006.01)**
[25] EN
[54] **WIND HARNESSING DEVICE**
[54] **APPAREIL D'EXPLOITATION DU VENT**
[72] HUANG, SHIH-YU, CN
[71] HUANG, SHIH-YU, CN
[22] 2017-12-27
[41] 2018-06-28
[30] TW (105219850) 2016-12-28

[21] **2,990,209**
[13] A1
[51] **Int.Cl. G06K 19/073 (2006.01) G06K 19/07 (2006.01)**
[25] EN
[54] **A DYNAMIC TRANSACTION CARD PROTECTED BY GESTURE AND VOICE RECOGNITION**
[54] **UNE CARTE DE TRANSACTION DYNAMIQUE PROTEGEE PAR UN GESTE ET LA RECONNAISSANCE VOCALE**
[72] ZARAKAS, JAMES, US
[72] WURMFIELD, DAVID, US
[72] LOCKE, TYLER, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-29
[30] US (15/394098) 2016-12-29

[21] **2,990,217**
[13] A1
[51] **Int.Cl. G06Q 30/06 (2012.01) G06Q 30/02 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR PRICE MATCHING THROUGH RECEIPT CAPTURE**
[54] **SYSTEME ET METHODE D'AJUSTEMENT DE PRIX PAR SAISIE DE RECU**
[72] POOLE, THOMAS S., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-29
[30] US (15/394253) 2016-12-29

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[13] A1
[51] **Int.Cl. A45C 11/00 (2006.01) H02J 50/00 (2016.01) A45F 5/00 (2006.01) B25H 3/02 (2006.01) H02J 1/00 (2006.01) H02J 3/00 (2006.01) H02J 4/00 (2006.01) H02J 7/00 (2006.01) H02J 15/00 (2006.01)**
[25] EN
[54] **STORAGE TOTE WITH ELECTRICAL OUTLETS**
[54] **SAC DE RANGEMENT DOTE DE PRISES ELECTRIQUES**
[72] BYRNE, NORMAN R., US
[72] STATHIS, PETER, US
[71] BYRNE, NORMAN R., US
[71] STATHIS, PETER, US
[22] 2017-12-27
[41] 2018-06-28
[30] US (62/439615) 2016-12-28

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[13] A1
[51] **Int.Cl. B64C 25/20 (2006.01) F16B 21/18 (2006.01)**
[25] EN
[54] **LANDING GEAR WITH THREADLESS CARDAN JOINT**
[54] **TRAIN D'ATTERRISSAGE A JOINT DE CARDAN NON FILETE**
[72] SCHMIDT, ROBERT K., CA
[71] SAFRAN LANDING SYSTEMS CANADA INC., CA
[22] 2017-12-28
[41] 2018-06-30
[30] US (15/396,195) 2016-12-30

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[13] A1
[51] **Int.Cl. H04N 1/04 (2006.01) H04N 1/00 (2006.01) H04N 1/107 (2006.01) H04W 88/02 (2009.01)**
[25] EN
[54] **MOBILE DEVICE MULTI-FEED SCANNER**
[54] **NUMERISEUR MULTI-ALIMENTATION DESTINE A UN APPAREIL MOBILE**
[72] LATTMAN, MATTHEW, US
[72] MCALLISTER, GREG, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-27
[41] 2018-06-29
[30] US (62/440,190) 2016-12-29
[30] US (15/662,441) 2017-07-28

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[13] A1
[51] **Int.Cl. G06Q 20/34 (2012.01) G06Q 20/32 (2012.01) G06Q 20/40 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **SMART CARD NFC SECURE MONEY TRANSFER**
[54] **TRANSFERT D'ARGENT SECURISE PAR COMMUNICATION EN CHAMP PROCHE ENTRE CARTES INTELLIGENTES**
[72] LOCKE, TYLER, US
[72] KELLY, KEVIN, US
[72] WURMFELD, DAVID, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-27
[41] 2018-06-29
[30] US (62/440,132) 2016-12-29
[30] US (15/663,083) 2017-07-28

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[13] A1
[51] **Int.Cl. G06K 19/077 (2006.01) G06K 19/02 (2006.01) G06K 19/07 (2006.01) H01Q 1/38 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **DYNAMIC TRANSACTION CARD ANTENNA MOUNTING**
[54] **INSTALLATION D'ANTENNE DE CARTE DE TRANSACTION DYNAMIQUE**
[72] WURMFELD, DAVID, US
[72] LOCKE, TYLER, US
[72] MARKSON, THEODORE, US
[72] KOEPPEL, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-30
[30] US (15/394,906) 2016-12-30

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[13] A1
[51] **Int.Cl. C08L 83/07 (2006.01)**
[25] EN
[54] **SILICONE COMPOSITION AND CURED PRODUCT**
[54] **COMPOSITION DE SILICONE ET PRODUIT DURCI**
[72] MATSUMOTO, NOBUAKI, JP
[72] SAKAMOTO, AKIRA, JP
[72] GOTO, NAOMI, JP
[72] ISHII, MASAHIKO, JP
[72] TAKEUCHI, HIROAKI, JP
[72] SUZUKI, YUSHI, JP
[72] MIYOSHI, SHINJI, JP
[71] SHIN-ETSU CHEMICAL CO., LTD., JP
[71] TOYOTA JIDOSHA KABUSHIKI KAISHA, JP
[22] 2017-12-28
[41] 2018-06-28
[30] JP (2016-254833) 2016-12-28

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[13] A1
[51] **Int.Cl. F16K 17/36 (2006.01) F16K 17/04 (2006.01)**
[25] EN
[54] **HYDRAULIC VALVE FOR DAMPENING PRESSURE SPIKES, AND ASSOCIATED SYSTEMS AND METHODS**
[54] **VALVE HYDRAULIQUE DESTINEE ATTENUER LES POINTES DE PRESSION, ET SYSTEMES ET METHODES ASSOCIES**
[72] BESLIU, MARIN, CA
[72] KLIM, GRAEME, CA
[72] CARR, ANTHONY, CA
[71] BESLIU, MARIN, CA
[71] KLIM, GRAEME, CA
[71] CARR, ANTHONY, CA
[22] 2017-12-28
[41] 2018-06-30
[30] US (62/441,032) 2016-12-30

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[13] A1
[51] **Int.Cl. G06K 19/073 (2006.01) H04W 4/12 (2009.01) G06K 19/07 (2006.01) H01Q 1/38 (2006.01)**
[25] EN
[54] **A DYNAMIC TRANSACTION CARD PROTECTED BY DROPPED CARD DETECTION**
[54] **UNE CARTE DE TRANSACTION DYNAMIQUE PROTEGEE PAR LA DETECTION DE CARTE ECHAPPEE**
[72] LOCKE, TYLER, US
[72] ZARAKAS, JAMES, US
[72] WURMFELD, DAVID, US
[72] KOEPPEL, ADAM, US
[72] KELLY, KEVIN P., US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-30
[30] US (15/394,947) 2016-12-30

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[13] A1
[51] **Int.Cl. B23K 9/30 (2006.01)**
[25] EN
[54] **VIBRATING WELDING APPARATUS AND METHOD**
[54] **APPAREIL ET METHODE DE SOUDAGE PAR VIBRATION**
[72] REMENTER, FRANKLIN, US
[72] SCOTCHMER, NIGEL, CA
[71] HUYS INDUSTRIES LIMITED, CA
[22] 2017-12-27
[41] 2018-06-28
[30] US (62/439,691) 2016-12-28
[30] US (62/581,496) 2017-11-03

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[13] A1
[51] **Int.Cl. H02J 50/80 (2016.01) H04W 88/02 (2009.01) H02J 50/10 (2016.01) H02J 7/02 (2016.01) H04B 5/00 (2006.01)**
[25] EN
[54] **A SYSTEM, METHOD, AND APPARATUS FOR WIRELESS CHARGING**
[54] **SYSTEME, METHODE ET APPAREIL DE RECHARGE SANS FIL**
[72] KOEPPEL, ADAM, US
[72] LOCKE, TYLER, US
[72] WURMFELD, DAVID, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-30
[30] US (62/440,540) 2016-12-30
[30] US (15/666,642) 2017-08-02

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[21] 2,990,250
[13] A1
[51] **Int.Cl. A42B 3/06 (2006.01) A42B 3/04 (2006.01)**
[25] EN
[54] **HELMET WITH FLEXIBLE STRUCTURE FOR IMPROVED FORCE ATTENUATION**
[54] **CASQUE A STRUCTURE SOUPLE DESTINEE A AMELIORER L'ATTENUATION DE LA FORCE**
[72] KWOK, WHITMAN, US
[71] ZAM HELMETS INC., US
[22] 2017-12-28
[41] 2018-06-30
[30] US (15/396,126) 2016-12-30

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[21] 2,990,256
[13] A1
[51] **Int.Cl. G06Q 20/30 (2012.01) G06Q 20/32 (2012.01) G06K 19/07 (2006.01)**
[25] EN
[54] **A SYSTEM AND METHOD FOR TRACKING AND USING AN ITEM IDENTITY TAG**
[54] **SYSTEME ET METHODE DE SURVEILLANCE ET UTILISATION D'UNE ETIQUETTE D'IDENTIFICATION D'UN ARTICLE**
[72] GABRIELE, DAVID, US
[72] PRANKRATZ, MICHAEL, US
[72] KOOIKER, CALLIE, US
[72] SMITH, JUSTIN, US
[72] MITCHELL, MATTHEW, US
[72] DABNEY, MATTHEW, US
[72] WISHNE, JUSTIN, US
[72] JACOBS, DREW, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-28
[41] 2018-06-30
[30] US (62/440,478) 2016-12-30
[30] US (62/525,245) 2017-06-27

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[13] A1
[51] **Int.Cl. C12Q 1/6809 (2018.01) C12Q 1/6813 (2018.01) C12Q 1/6886 (2018.01) C40B 30/04 (2006.01)**
[25] EN
[54] **METHODS FOR PREDICTING DRUG RESPONSIVENESS IN CANCER PATIENTS**
[54] **METHODES DE PREDICTION DE LA REPONSE A LA MEDICATION CHEZ LES PATIENTS ATTEINTS DE CANCER**
[72] KNUDSEN, STEEN, US
[71] ONCOLOGY VENTURE APS, DK
[22] 2017-12-27
[41] 2018-06-30
[30] US (62/440,883) 2016-12-30

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[13] A1
[51] **Int.Cl. H04W 76/14 (2018.01) H04W 12/02 (2009.01) H04W 84/18 (2009.01) H04W 76/11 (2018.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR AUTOMATIC BLUETOOTH PAIRING**
[54] **SYSTEME ET METHODE DE JUMELAGE BLUETOOTH AUTOMATIQUE**
[72] ZARAKAS, JAMES, US
[72] KELLY, KEVIN, US
[72] SANGI, SALEEM, US
[72] KOEPPEL, ADAM, US
[71] CAPITAL ONE SERVICES, LLC, US
[22] 2017-12-29
[41] 2018-06-30
[30] US (62/440/525) 2016-12-30
[30] US (15/698,724) 2017-09-08

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[13] A1
[51] **Int.Cl. G06F 21/57 (2013.01)**
[25] EN
[54] **CYBER THREAT INTELLIGENCE THREAT AND VULNERABILITY ASSESSMENT OF SERVICE SUPPLIER CHAIN**
[54] **EVALUATION DE CYBERMENACE, DE MENACE INTELLIGENTE ET DE VULNERABILITE D'UNE CHAINE DE FOURNISSEUR DE SERVICE**
[72] BRODA, MACIEJ, CA
[72] HERVIEUX, MARC-ANDRE, CA
[72] HABIB, HAKEM, CA
[71] BCE INC., CA
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[41] 2018-06-29
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[54] **FORMULATIONS FOR MITIGATING OPIOID OVERDOSE AND METHODS OF MAKING AND USING THE SAME**
[54] **FORMULATIONS D'ATTENUATION DE SURDOSE D'OPIOIDES ET METHODE DE FABRICATION ET UTILISATION ASSOCIEES**
[72] BALLEK, MICHAEL, US
[71] BALLEK, MICHAEL, US
[22] 2017-12-28
[41] 2018-06-28
[30] US (62/439,711) 2016-12-28
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[51] **Int.Cl. G06Q 10/08 (2012.01) G06K 9/18 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR MONITORING AND RESTOCKING MERCHANDISE**
[54] **SYSTEMES ET METHODES DE SURVEILLANCE ET DE REAPPROVISIONNEMENT DE MARCHANDISE**
[72] FREEMAN, JOSHUA RHYS, US
[72] JONES, JACOB AVERY, US
[72] SPENCER, WINSTON EARL DELANO, US
[71] WAL-MART STORES, INC., US
[22] 2017-12-28
[41] 2018-06-30
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[51] **Int.Cl. E21B 17/04 (2006.01) F16L 59/15 (2006.01) F16L 59/18 (2006.01)**
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[54] **HIGH-TEMPERATURE INSULATION APPARATUS**
[54] **APPAREIL D'ISOLATION HAUTE TEMPERATURE**
[72] ZHANG, CHUNSHENG, CN
[72] ZHOU, ZHENQIANG, CN
[72] SHEN, YANDE, CN
[72] LI, TAIREN, CN
[72] SONG, YINGQING, CN
[71] PANJIN LIAOHE OILFIELD GOLDEN RING CO., LTD., CN
[22] 2017-12-29
[41] 2018-06-29
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[51] **Int.Cl. E04F 13/21 (2006.01)**
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[54] **SIDING PANEL WITH A RECESSED LOCKING SECTION**
[54] **PANNEAU LATERAL A SECTION BLOQUANTE ENCASTREE**
[72] SCHULTZ, ASHELY A., US
[72] COLYN, CHRISTOPHER MICHAEL, US
[72] STUCKY, DAVID J., US
[72] SHAW, ROBERT D., US
[72] HOLLAND, GREG, US
[71] CERTAINTEED CORPORATION, US
[22] 2017-12-29
[41] 2018-06-30
[30] US (62/440844) 2016-12-30
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[51] **Int.Cl. G06Q 10/08 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS OF ANALYZING RECYCLED PRODUCTS TO DETECT TRENDS AND ADJUST INVENTORY BASED ON THE TRENDS**
[54] **SYSTEMES ET METHODES D'ANALYSE DE PRODUITS RECYCLES AFIN DE DETECTER LES TENDANCES ET D'AJUSTER LES STOCKS SELON LES TENDANCES**
[72] JONES, MATTHEW A., US
[72] JONES, NICHOLAUS A., US
[71] WAL-MART STORES, INC., US
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[25] EN
[54] **SYSTEM AND METHOD FOR MULTI-USER DIGITAL INTERACTIVE EXPERIENCE**
[54] **SYSTEME ET METHODE DESTINES A UNE EXPERIENCE INTERACTIVE NUMERIQUE MULTIUTILISATEUR**
[72] SIDDIQUE, SAMI, CA
[72] STIMPSON, BRAD, CA
[71] DRESSBOT INC., CA
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[41] 2018-06-29
[30] US (62/440,187) 2016-12-29
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[54] **MODULATING MAKEUP FLUID CONTROL SYSTEMS AND METHODS FOR SAME**
[54] **MODULATION DE SYSTEMES DE CONTROLE DE FLUIDE D'APPOINT ET METHODES ASSOCIEES**
[72] ABEL, MATTHEW W., US
[71] PURE HUMIDIFIER COMPANY, US
[22] 2017-12-28
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[25] EN
[54] **PROCESS FOR THE PREPARATION OF AN ADDITIVIE AS A FOOD SUPPLEMENT BASED ON SEAWEEDS FOR BIRDS AND ANIMALS; AS WELL AS THE PRODUCT OBTAINED AND ITS USE IN THE FOOD CONVERSION AND INTHE PRODUCTION OF BIRD AND ANIMAL MEAT**
[54] **PROCEDE DE PREPARATION D'UN ADDITIF COMME SUPPLEMENT ALIMENTAIRE A BASE D'ALGUES DESTINE AUX OISEAUX ET AUX ANIMAUX; AINSI QUE LE PRODUIT OBTENU ET SON UTILISATION DANS LA CONVERSION ALIMENTAIRE ET LA PRODUCTION DE VIANDE D'OISEAUX ET D'ANIMAUX**
[72] BRINTRUP MEEDER, MARCELO, CL
[71] PATAGONIA BIOTECNOLOGIA S.A., CL
[22] 2017-12-28
[41] 2018-06-30
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[51] **Int.Cl. C02F 1/56 (2006.01) C02F 1/52 (2006.01) C10G 1/04 (2006.01)**
[25] EN
[54] **PROCESSES FOR TREATING TAILINGS STREAMS FROM OIL SANDS ORE WITH POLYSACCHARIDES AND FLOCCULANTS**
[54] **PROCEDE DE TRAITEMENT DE FLUX DE RESIDUS DES SABLES BITUMINEUX AVEC DES POLYSACCHARIDES ET DES FLOCCULANTS**
[72] WILSON, DUANE C., US
[72] AUJLA, SUKHJIT, US
[72] CASASUS, ANNA L., US
[72] YIN, XIHUI, US
[72] ROSATI, LOUIS, US
[72] FOURNIER, FRANCES, US
[72] FENDERSON, THOMAS, CA
[71] KEMIRA OYJ, FI
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[25] EN
[54] **MONITORING A WEARING OF A WEARABLE DEVICE**
[54] **SURVEILLANCE DU PORT D'UN DISPOSITIF PORTABLE**
[72] SMITH, BRUCE TURNER, US
[71] NORTEK SECURITY & CONTROL LLC, US
[22] 2017-12-28
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[25] EN
[54] **METHODS AND DEVICES FOR PERCUTANEOUS IMPLANTATION OF ARTERIO-VENOUS GRAFTS**
[54] **METHODES ET DISPOSITIFS D'IMPLANTATION PERCUTANEE DE GREFFONS ARTERIO-VEINEUX**
[72] PILLAI, LAKSHMIKUMAR, US
[71] VASCULAR ACCESS TECHNOLOGIES, INC., US
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[25] EN
[54] **DRAPE-OVER ARTICLE WITH ELECTRICAL OUTLETS**
[54] **ARTICLE DRAPE DOTE DE PRISES ELECTRIQUES**
[72] BYRNE, NORMAN R., US
[72] STATHIS, PETER, US
[71] BYRNE, NORMAN R., US
[71] STATHIS, PETER, US
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[54] **LOCATABLE SLAB ASSEMBLY**
[54] **ENSEMBLE DE PLAQUE REPERABLE**
[72] WU, PING-HSIEN, TW
[72] CHEN, CHENG-LUNG, TW
[71] LONG TIME WIN TECHNOLOGY CO., LTD., TW
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[54] **TEMPERATURE-ALTERING AND POSTURE ENHANCING VEST**
[54] **VESTE AMELIORANT LA POSTURE ET MODIFIANT LA TEMPERATURE**
[72] JACOBS, ANDREW CONRAD, US
[71] JACOBS, ANDREW CONRAD, US
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[51] **Int.Cl. B24D 15/02 (2006.01)**
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[54] **METHODS AND TOOLS FOR SANDING SURFACES**
[54] **METHODES ET OUTILS DE PONCAGE DE SURFACES**
[72] DUPONT, LOUIS, CA
[71] DUPONT, LOUIS, CA
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[51] **Int.Cl. G09B 9/46 (2006.01) B64D 45/04 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DETERMINING A RECIRCULATION EFFECT FROM AN OBSTACLE ON A MAIN ROTOR INDUCED VELOCITY OF A SIMULATED ROTORCRAFT**
[54] **METHODE ET SYSTEME DE DETERMINATION D'UN EFFET DE RECIRCULATION D'UN OBSTACLE SUR LA VITESSE INDUITE D'UN ROTOR PRINCIPAL D'UN GIRAVION SIMULE**
[72] NADEAU BEAULIEU, MICHEL, CA
[72] TARDIF, JEAN, CA
[71] CAE INC., CA
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[51] **Int.Cl. G09B 23/28 (2006.01) A61B 34/10 (2016.01) G09B 9/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR SIMULATING AN INSERTION OF AN ELONGATED INSTRUMENT INTO A SUBJECT**
[54] **METHODE ET SYSTEME DE SIMULATION D'UNE INSERTION D'UN INSTRUMENT ALLONGE DANS UN SUJET**
[72] FLAMAND, JEAN-SEBASTIEN, CA
[72] CARON, FRANCOIS, CA
[71] CAE HEALTHCARE CANADA INC., CA
[22] 2018-03-29
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[25] EN
[54] **FAN COIL HOUSING**
[54] **LOGEMENT DE VENTILO-CONVECTEUR**
[72] GUARINO, ROBERT, CA
[72] NAZARIAN, MICHAEL, CA
[71] GUARINO, ROBERT, CA
[71] NAZARIAN, MICHAEL, CA
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[25] EN
[54] **BULK BAG VALVE**
[54] **SOUPAPE DE SAC DE VRAC**
[72] TESKEY, PAUL J., CA
[71] TESKEY, PAUL J., CA
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Demandes PCT entrant en phase nationale

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[25] EN
[54] **METHOD FOR MULTIMODAL TISSUE IMAGING BASED ON RESONANCE RAMAN EFFECT ON METAL BASED MRI CONTRAST AGENTS AND METHOD FOR IONIZING LASER PLUMES THROUGH ATMOSPHERIC PRESSURE CHEMICAL IONIZATION**
[54] **PROCEDE D'IMAGERIE DE TISSU MULTIMODALE BASE SUR L'EFFET RAMAN DE RESONANCE SUR DES AGENTS DE CONTRASTE D'IRM A BASE DE METAL ET PROCEDE D'IONISATION DE PANACHES LASER PAR IONISATION CHIMIQUE A PRESSION ATMOSPHERIQUE**
[72] FRANJIC, KRESIMIR, CA
[71] SYNAPTIVE MEDICAL (BARBADOS) INC., BB
[85] 2018-04-10
[86] 2017-07-24 (PCT/CA2017/050887)
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[51] **Int.Cl. A61K 38/08 (2006.01) A61P 1/02 (2006.01) C07K 7/06 (2006.01) C12N 15/11 (2006.01) C12N 15/85 (2006.01)**
[25] EN
[54] **NOVEL PEPTIDE**
[54] **PEPTIDE NOVATEUR**
[72] PARK, JOO HWANG, KR
[72] LEE, JI HYUN, KR
[71] HYSENSBIO, KR
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[51] **Int.Cl. D21G 9/00 (2006.01) D21F 1/48 (2006.01)**
[25] EN
[54] **A MONITORING SYSTEM, CONTROL SYSTEM, ACTUATION ASSEMBLY OF A PAPER MACHINE, AND A METHOD OF CONTOLLING**
[54] **SYSTEME DE SURVEILLANCE, SYSTEME DE CONTROLE, MECANISME D'ACTIVATION D'UNE MACHINE A PAPIER ET UNE METHODE DE CONTROLE**
[72] HEAVEN, EDWIN MICHAEL GYDE, CA
[72] FAUFAU, JAMES, US
[72] PARADIS, JEAN P., US
[72] BRIDGE, COLIN, CA
[72] NEAL, JAKE, US
[71] IBS OF AMERICA, US
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[25] EN
[54] **CNPY2 ISOFORM 2 AND THE USE THEREOF AS MOLECULAR MARKER FOR INTESTINAL CANCER**
[54] **ISOFORME 2 DE CNPY2 ET SON UTILISATION COMME MARQUEUR MOLECULAIRE DU CANCER DE L'INTESTIN**
[72] GUO, JIAN, CA
[72] WAN, DESEN, CN
[72] FANG, YUJING, CN
[72] OU, QINGJIAN, CN
[71] SHENZHEN SENBOLL BIOTECHNOLOGY CO., LTD., CN
[85] 2018-05-22
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[87] (3005725)

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[25] EN
[54] **STABLE INOCULANT COMPOSITIONS AND METHODS FOR PRODUCING SAME**
[54] **COMPOSITIONS D'INOCULANTS STABLES ET LEURS PROCEDES DE PRODUCTION**
[72] GREENSHIELDS, DAVE, CA
[72] MARTIN, VINCENT, CA
[72] SELNESS, SHAUN RAJ, US
[72] HAN, HUI, US
[71] NOVOZYMES BIOAG A/S, DK
[71] MONSANTO TECHNOLOGY LLC, US
[85] 2018-05-31
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[25] EN
[54] **PROSTHETIC VALVE FOR AVOIDING OBSTRUCTION OF OUTFLOW**
[54] **VALVULE PROTHETIQUE PERMETTANT D'EVITER UNE OBSTRUCTION EMPECHANT L'ECOULEMENT**
[72] LANE, RANDY MATTHEW, CA
[72] WONG, KAREN TSOEK-JI, CA
[72] KERR, IAN FRASER, CA
[72] SEGAL, MARK, CA
[71] NEOVASC TIARA INC., CA
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[86] 2017-01-27 (PCT/CA2017/050097)
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[54] **POLYMERIC ANTI-SKINNING AND DRIER COMPOUNDS**
[54] **COMPOSES POLYMERE ANTIPEAU ET DE SECHAGE**
[72] CLAUWAERT, EDDY, BE
[71] EGE KIMYA SAN. VE TIC. A. S., TR
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[51] **Int.Cl. A61M 1/36 (2006.01)**
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[54] **DRIP CHAMBER ASSEMBLY THAT FUNCTIONS IRRESPECTIVE OF ORIENTATION**
[54] **ENSEMBLE CHAMBRE COMPTE-GOUTTES FONCTIONNANT INDEPENDAMMENT DE L'ORIENTATION**
[72] BERG, ARNOLD R., US
[72] CONSTUBLE, DALE L., US
[71] MOBILE I.V. SYSTEMS LLC, US
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[51] **Int.Cl. A61K 38/00 (2006.01) A61P 35/00 (2006.01) C07K 14/54 (2006.01)**
[25] EN
[54] **METHODS OF USING INTERLEUKIN-10 FOR TREATING DISEASES AND DISORDERS**
[54] **PROCEDES D'UTILISATION DE L'INTERLEUKINE-10 POUR LE TRAITEMENT DE MALADIES ET DE TROUBLES**
[72] MUMM, JOHN BRIAN, US
[72] CHAN, IVAN HO, US
[71] ARMO BIOSCIENCES, INC., US
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[25] EN
[54] **ORAL CARE PRODUCT AND METHODS OF USE AND MANUFACTURE THEREOF**
[54] **PRODUIT DE SOIN ORAL ET PROCEDES DE FABRICATION ET D'UTILISATION ASSOCIES**
[72] HINRICHS, RUTH, CH
[72] BRUNELLA, ANDRE, CH
[72] MATUR, TURAN, CH
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2018-06-13
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[25] EN
[54] **ORAL CARE PRODUCT AND METHODS OF USE AND MANUFACTURE THEREOF**
[54] **PRODUIT DE SOIN ORAL ET PROCEDES E'UTILISATION ET DE FABRICATION ASSOCIES**
[72] HINRICHS, RUTH, CH
[72] STETTLER, HANS, CH
[72] MATUR, TURAN, CH
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2018-06-13
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[25] EN
[54] **METHOD, DEVICE, AND SYSTEM FOR DEVICE PAIRING FOR IMPROVED SAFETY AND SECURITY OF FIRST RESPONDERS ENTERING INCIDENT SCENE AREA**
[54] **PROCEDE, DISPOSITIF ET SYSTEME D'APPARIEMENT DE DISPOSITIFS PERMETTANT D'AMELIORER LA SURETE ET LA SECURITE DE PREMIERS INTERVENANTS ENTRANT SUR UNE ZONE D'INCIDENT**
[72] ZHAO, KANGKAI, CN
[72] CHEN, DAJUN, CN
[72] FEI, XUN, CN
[72] FENG, WEN, CN
[72] GONG, YAHUI, CN
[72] TIAN, YONG, CN
[72] ZHAO, DONG, CN
[71] MOTOROLA SOLUTIONS, INC., US
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[25] FR
[54] **METHOD OF CONTROLLING A SUPERPLASTIC FORMING MACHINE AND CORRESPONDING MACHINE**
[54] **PROCEDE DE PILOTAGE D'UNE MACHINE DE FORMAGE SUPERPLASTIQUE ET MACHINE CORRESPONDANTE**
[72] NAZARET, FABIEN, FR
[72] LEBARD, ETIENNE, FR
[72] LE MAOULT, YANNICK, FR
[72] PENAZZI, LUC, FR
[72] VIDAL, VANESSA, FR
[72] VELAY, VINCENT, FR
[71] ASSOCIATION POUR LA RECHERCHE ET LE DEVELOPPEMENT DES METHODES ET PROCESSUS INDUSTRIELS (A.R.M.I.N.E.S.), FR
[71] AUROCK, FR
[85] 2018-06-14
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[54] **SYSTEME D'ALLUMAGE POUR ARTICLES PYROTECHNIQUES**
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[54] **SYSTEME ET PROCEDE D'ASSEMBLAGE DE VEHICULE MODULAIRE**
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[71] COMAU LLC, US
[85] 2018-06-14
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[54] **COMPOSITIONS PHARMACEUTIQUES COMPRENANT UN DERIVE DE PHENYLAMINOPYRIMIDINE**
[72] PARVATANENI, DURGA MAHESWARI, IN
[72] MOHANTY, MITRABHANU, IN
[72] APPADWEDULA, VENKATA SATYANARAYANA, IN
[72] ADIBHATLA, KALI SATYA BHUJANGA RAO, IN
[72] NANNAPANENI, VENKAIAH CHOWDARY, IN
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[72] VARDHAN, HARSH, AU
[72] RAJESH, SARIGAMA, AU
[72] KARELLAS, PETER, AU
[71] PRIOSTAR PTY LTD, AU
[71] DENDRITIC NANOTECHNOLOGIES, INC., US
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[54] **TIMBRE ADHESIF POUR TISSU A BASE DE FIBRINOGENE AMELIORE**
[72] LAUB, ORGAD, IL
[72] COHEN, ERAN, IL
[72] SCHWARTZ, YOTAM, IL
[71] SEALANTIUM MEDICAL LTD, IL
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[54] **ENSEMBLE DE STOCKAGE POUR VALVULE PROTHETIQUE**
[72] COOPER, ALEXANDER H., US
[72] BIALAS, MICHAEL R., US
[72] TAYLOR, DAVID M., US
[72] TYLER, GREGORY SCOTT, II, US
[72] KOWALSKI, ZACHARY R., US
[72] KWAN, ART Z., US
[72] PATEL, DARSHIN S., US
[72] METCHIK, ASHER L., US
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[54] **METHOD FOR PREVENTING AND TREATING DIABETIC NEPHROPATHY**
[54] **PROCEDE POUR EMPECHER ET TRAITER UNE NEPHROPATHIE DIABETIQUE**
[72] LI, JINAN, CN
[71] TALENGEN INTERNATIONAL LIMITED, CN
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[54] **METHOD FOR PREVENTING OR TREATING DIABETIC RETINOPATHY**
[54] **PROCEDE POUR PREVENIR OU TRAITER LA RETINOPATHIE DIABETIQUE**
[72] LI, JINAN, CN
[71] TALENGEN INTERNATIONAL LIMITED, CN
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[54] **DERIVE DE GINKGOLIDE B, SON PROCEDE DE PREPARATION ET SON UTILISATION**
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[72] LI, HUIQIN, CN
[72] KE, HONG, CN
[72] FAN, XIAOBO, CN
[72] SUN, YI, CN
[71] CHENGDU BAIYU GINKGOLIDE PHARMACEUTICALS CO., LTD., CN
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[54] **ELECTRO-OPTICAL TRANSDUCER**
[72] LARDAT, RAPHAEL, FR
[72] LAUNAY, FRANCOIS-XAVIER, FR
[71] THALES, FR
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[54] **METHOD FOR MONITORING AT LEAST TWO REDUNDANT SENSORS**
[54] **PROCEDE DE SURVEILLANCE D'AU MOINS DEUX CAPTEURS REDONDANTS**
[72] KUPPER, ACHIM, DE
[71] BAYER AKTIENGESELLSCHAFT, DE
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[54] **METHODS FOR HYDROCARBON RECOVERY**
[54] **PROCEDES DE RECUPERATION D'HYDROCARBURE**
[72] KIM, DO HOON, US
[72] ALEXIS, DENNIS ARUN, US
[72] DWARAKANATH, VARADARAJAN, US
[72] ESPINOSA, DAVID, US
[72] MALIK, TAIMUR, US
[72] JACKSON, LOGAN, US
[72] LYNCH, TOM, US
[72] ROBINSON, RONALD, US
[72] FOURNIER, FRANCES, US
[72] YANG, HONG, US
[72] AUJLA, SUKHJIT, US
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[54] **SYSTEMS AND METHODS FOR DETECTING IMAGED CLOUDS**
[54] **SYSTEMES ET PROCEDES POUR DETECTER DES NUAGES IMAGES**
[72] FEINGERSH, TAL, IL
[71] ISRAEL AEROSPACE INDUSTRIES LTD., IL
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[25] FR
[54] **MACHINE FOR MEASURING AND SORTING ASSEMBLY PARTS SUCH AS COUNTERSUNK-HEAD RIVETS**
[54] **MACHINE DE MESURE ET DE TRI DE PIECES D'ASSEMBLAGE DU TYPE RIVETS A TETES FRAISEES**
[72] VOISIN, ANTOINE, FR
[72] DELEU, ARNAUD, FR
[72] BARON, PHILIPPE, FR
[71] STELIA AEROSPACE, FR
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[25] EN
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[54] **PROCEDE DE CONCEPTION DE RELEVES GEOPHYSIQUES PAR ANALYSE DE FONCTION D'ETALEMENT PONCTUEL D'INVERSION DE FORME D'ONDE COMPLETE**
[72] BURNETT, WILLIAM A., US
[72] TERRELL, MARTIN J., US
[72] DIMITROV, PAVEL, US
[72] DICKENS, THOMAS A., US
[72] TANG, YAXUN, US
[72] ROUTH, PARTHA S., US
[72] CURRY, WILLIAM, US
[72] WILLEN, DENNIS E., US
[71] EXXONMOBIL UPSTREAM RESEARCH COMPANY, US
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[54] **POLYETHYLENE FORMULATIONS WITH IMPROVED BARRIER AND TOUGHNESS FOR MOLDING APPLICATIONS**
[54] **FORMULATIONS DE POLYETHYLENE A BARRIERE ET TENACITE AMELIOREES DESTINEES A DES APPLICATIONS DE MOULAGE**
[72] LIN, YIJIAN, US
[72] SUGDEN, JOHN L., US
[72] KAPUR, MRIDULA BABLI, US
[72] GILLESPIE, DAVID T., US
[72] HOGAN, TODD A., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **COUSSIN REPOSE-DOS**
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[71] BEDGEAR, LLC, US
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[54] **GENERATING DIGITAL MODELS OF CROP YIELD BASED ON CROP PLANTING DATES AND RELATIVE MATURITY VALUES**
[54] **GENERATION DE MODELES NUMERIQUES DE RENDEMENT DE CULTURE EN FONCTION DES DATES DE PLANTATION DE CULTURE ET DES VALEURS DE MATURITE RELATIVE**
[72] XU, YING, US
[72] ANDREJKO, ERIK, US
[71] THE CLIMATE CORPORATION, US
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[54] **MEMBRANE D'OXYDE DE GRAPHENE SELECTIVEMENT PERMEABLE**
[72] ZHENG, SHIJUN, US
[72] KITAHARA, ISAMU, US
[72] KOBUKE, MAKOTO, JP
[72] WANG, PENG, US
[72] BARTELS, CRAIG ROGER, US
[72] YAMASHIRO, YUJI, JP
[72] HIROSE, MASAHIKO, JP
[72] NOUMI, SHUNSUKE, JP
[72] LIN, WEIPING, US
[71] NITTO DENKO CORPORATION, JP
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[54] **METHOD AND APPARATUS FOR DELIVERING ITEMS**
[54] **PROCEDE ET APPAREIL DE LIVRAISON D'ARTICLES**
[72] HIGH, DONALD R., US
[72] VALKOV, ANTON, US
[72] NATARAJAN, CHANDRASHEKAR, US
[71] WALMART APOLLO, LLC, US
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[54] **POLYETHYLENE FORMULATIONS WITH IMPROVED BARRIER AND ENVIRONMENTAL STRESS CRACK RESISTANCE**
[54] **FORMULATIONS DE POLYETHYLENE A BARRIERE ET RESISTANCE A LA FISSURATION SOUS CONTRAINTE ENVIRONNEMENTALE AMELIOREES**
[72] LIN, YIJIAN, US
[72] SUGDEN, JOHN L., US
[72] KAPUR, MRIDULA BABLI, US
[72] GILLESPIE, DAVID T., US
[71] DOW GLOBAL TECHNOLOGIES LLC, US
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[54] **VARIANTS DE POLYPEPTIDES DE FUSION ASSOCIES A OMEGA-HYDROXYLASE, ET AYANT DES PROPRIETES AMELIOREES**
[72] SCHIRMER, ANDREAS, US
[72] ZHU, BAOLONG, US
[72] POPOVA, EMANUELA, US
[71] REG LIFE SCIENCES, LLC, US
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[25] EN
[54] **A RECOMBINANT BI-SPECIFIC POLYPEPTIDE FOR COORDINATELY ACTIVATING TUMOR-REACTIVE T-CELLS AND NEUTRALIZING IMMUNE SUPPRESSION**
[54] **POLYPEPTIDE RECOMBINANT BISPECIFIQUE POUR L'ACTIVATION COORDONNEE DE LYMPHOCYTES T REACTIFS A UNE TUMEUR ET LA NEUTRALISATION DE LA SUPPRESSION IMMUNITAIRE**
[72] OSTRAND-ROSENBERG, SUZANNE, US
[72] CARTER, DARRYL L., US
[71] UNIVERSITY OF MARYLAND, BALTIMORE COUNTY, US
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[86] 2016-12-15 (PCT/US2016/066842)
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[54] **ADAPTABLE END EFFECTOR AND METHOD**
[54] **EFFECTEUR TERMINAL ADAPTABLE ET PROCEDE**
[72] KILIBARDA, VELIBOR, US
[72] FINZEL, BRYAN, US
[72] DUGAS, MICHAEL R., US
[71] COMAU LLC, US
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[54] **BISPECIFIC ANTIBODY PLATFORM**
[54] **PLATEFORME D'ANTICORPS BISPECIFIQUE**
[72] PREYER, MARTIN, US
[71] BIOGEN MA INC., US
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[54] **SYSTEM AND METHOD FOR REMOTE FAX INTERCONNECT**
[54] **SYSTEME ET PROCEDE D' INTERCONNEXION DE TELECOPIE A DISTANCE**
[72] CICHIELO, ROBERT N., US
[72] BANCO, PAUL J., US
[72] STURNIOLO, EMIL, US
[71] ETHERFAX, LLC, US
[85] 2018-06-15
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[54] **MOTEUR DE CHAUFFAGE ET DE REFROIDISSEMENT**
[72] KOZLOWSKI, ERIC, US
[72] DAVIS, JASON, US
[72] STEPANOV, ARTUR, US
[71] MAGNA SEATING INC., CA
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[54] **SYSTEME DE PRISE EN COMPTE DE LA SITUATION VISUELLE EN TEMPS REEL**
[72] HARMSEN, ALEXANDER, US
[72] HOWARD, JAMES, US
[71] IRIS AUTOMATION, INC., US
[71] IRIS AUTOMATION, CA
[85] 2018-06-15
[86] 2016-12-19 (PCT/US2016/067567)
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[54] **QTL ASSOCIES A L'IDENTIFICATION DE LA RESISTANCE A LA VERSE DANS LE SOJA ET PROCEDES PERMETTANT L'IDENTIFICATION**
[72] ATWOOD, SARAH, US
[72] WOLF, LAURA JEAN, US
[72] KUHLMAN, LESLIE CHARLES, US
[72] KYLE, DONALD EARL, US
[72] THOMAS, DANIEL LEWIS, US
[72] WOODWARD, JOHN BRYAN, US
[72] YANG, MING, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
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[54] **UNIVERSAL BLAST HANDLE MOUNT**
[54] **MONTAGE DE POIGNEE A SOUFFLAGE UNIVERSEL**
[72] ROSS, DANIEL P., US
[72] WHITEOAK, JACOB R., US
[71] GRACO MINNESOTA INC., US
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[86] 2017-02-20 (PCT/US2017/018576)
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[54] **GETTER DE PRODUIT DE FISSION**
[72] EICHEL, DANIEL, US
[72] VOLLMER, JAMES M., US
[71] TERRAPOWER, LLC, US
[85] 2018-06-15
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[30] US (62/305,272) 2016-03-08

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[54] **SELECTION DE REFERENCE DE VECTEUR DE MOUVEMENT PAR L'INTERMEDIAIRE D'UN SUIVI D'UNE MEMOIRE TAMPON DE TRAMES DE REFERENCE**
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[72] MUKHERJEE, DEBARHGA, US
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[54] **SYSTEMES ET PROCEDES POUR ANALYSER UN ECHANTILLON ET SURVEILLER LA PERFORMANCE DE DETECTEUR DE SIGNAL OPTIQUE**
[72] OPALSKY, DAVID, US
[72] RAGHUWANSHI, SRAJAN, US
[72] BUI, JAMES, US
[71] GEN-PROBE INCORPORATED, US
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[54] **PARTICULES CONJUGUEES PAR COVALENCE DE TYPE POLYMERE-ANTIGENE**
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[72] GETTS, DANIEL R., US
[72] PUISIS, JOHN, US
[72] HERRMANN, JAMES, US
[71] COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC., US
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[54] **RECONSTRUCTION D'IMAGE TRIDIMENSIONNELLE EN UTILISANT DES PROCEDES DE RADIOGRAPHIE PAR TRANSMISSION ET DIFFUSION**
[72] LIESENFELT, MICHAEL JOHN, US
[72] BACIAK, JAMES EDWARD, US
[72] GRISSOM, GREGORY THOMAS, US
[71] GEORGETOWN RAIL EQUIPMENT COMPANY, US
[71] UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INCORPORATED, US
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[72] BSHARA, NAFEA, US
[72] MACHULSKY, GEORGY, US
[72] BARRETT, BRIAN WILLIAM, US
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[54] **PROCEDE DE FABRICATION D'UN OBJET TRIDIMENSIONNEL**
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[71] STADLMANN, KLAUS, AT
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[54] **TRANSMISSIONS DE DONNEES REPOSANT SUR UNE CONTENTION SUR UNE LIAISON DE RETOUR**
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[72] WU, QIANG, US
[72] ULUPINAR, FATIH, US
[71] QUALCOMM INCORPORATED, US
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[54] **PROCEDE DE FABRICATION D'UN CORPS TRIDIMENSIONNEL**
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[54] **OUTIL D'EVALUATION DE RISQUE D'ADMISSION D'HOSPITALISATION ET LEURS UTILISATIONS**
[72] BERRINGER, ROBERT ALAN, US
[72] KASZAK, AMY ELIZABETH, US
[72] KELLY, TENA MAYO, US
[72] SAUNDERS, WILL, US
[71] ALLYALIGN HEALTH, INC., US
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[54] **TRANSPORTEUR AVEC SYSTEME COLLECTEUR DE POUSSIERE INTEGRE**
[72] OREN, JOSHUA, US
[72] BOROS, MARTY, US
[72] BERVEILER, PETE, US
[72] HANSEN, DAVE, US
[72] CAMPBELL, COLIN, US
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[72] MARTIN, JEAN-VALERY, US
[72] CARTON, WILLIAM, US
[72] OLANIPEKUN, EVELYN, US
[72] KEMPTON, KEVIN M., US
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[54] **PROMEDICAMENTS LIES A DES LIPIDES**
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[72] CULLIS, PIETER R., CA
[72] ZAIFMAN, JOSHUA, CA
[72] TAM, YUEN YI, CA
[71] THE UNIVERSITY OF BRITISH COLUMIBA, CA
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[54] **BOUEE DE COMMUNICATION ET VEHICULE AQUATIQUE COMPRENANT UNE TELLE BOUEE**
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[72] GUILLOUET, PIERRE MARIE, FR
[71] NAVAL GROUP, FR
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[54] **COLONNE PERDUE A FENTES AVEC CONFIGURATION DE FENTES OPTIMALE**
[72] FERMANIUK, BRENT DANIEL, CA
[72] RONDEAU, KELLY JULIEN, CA
[72] CLAERHOUT, MICHAEL CLARENCE, CA
[71] RGL RESERVOIR MANAGEMENT INC., CA
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[54] **LIGANDS MACROCYCLIQUES AVEC GROUPEMENT(S) PICOLINATE(S), LEURS COMPLEXES AINSI QUE LEURS UTILISATIONS MEDICALES**
[72] LE FUR, MARIANE, FR
[72] TRIPIER, RAPHAEL, FR
[72] ROUSSEAUX, OLIVIER, FR
[72] BEYLER, MARYLINE, FR
[71] GUERBET, FR
[71] UNIVERSITE DE BRETAGNE OCCIDENTALE, FR
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[54] **APPAREIL DE REVETEMENT DE STRUCTURE A LARGEUR AJUSTABLE ET OUTIL POUR CELUI-CI**
[72] FANG, ZI LI, CA
[72] KRIVULIN, SEMION, CA
[72] LEUNG, YUE HENG, CA
[72] RICHARDSON, GEORGE DAVID, CA
[71] CFS CONCRETE FORMING SYSTEMS INC., CA
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[54] **SEPARATION D'EAU ET D'HUILE D'UN FLUX DE PRODUCTION**
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[72] WEBB, TODD, CA
[72] SEIBERT, JEFF, US
[71] SEAIR INC., CA
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[72] JANSSEN, BRETT, CA
[72] NIBLETT, ANTHONY, CA
[72] YOON, ALBERT, CA
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[72] MADSON, TERRY, US
[72] ELLIS, ERIC, US
[72] PORTILLO, CRISTIAN, US
[71] WATLOW ELECTRIC MANUFACTURING COMPANY, US
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[54] **ENSEMBLE A FIBRE A CRISTAL PHOTONIQUE**
[72] ALKESKJOLD, THOMAS TANGGAARD, DK
[72] LYNGSOE, JENS KRISTIAN, DK
[72] JAKOBSEN, CHRISTIAN, DK
[72] MAACK, MARTIN DYBENDAL, DK
[72] MICHIELETTO, MATTIA, DK
[72] PAPIOR, SIDSEL RUBNER, DK
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[54] **TOSILATE DE SUPLATAST POUR LE TRAITEMENT DE LA TOUX ASSOCIEE A UNE MALADIE PULMONAIRE INTERSTITIELLE**
[72] HANSEN, JOHN BONDO, DK
[72] THOMSEN, MIKAEL S., DK
[72] SKJAERBAEK, NIELS, DK
[71] CONRIG PHARMA APS, DK
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[54] **APPAREIL DE FABRICATION DE TROUS DE LIBERATION PRECISE POUR UN EMBALLAGE A LIBERATION PROLONGEE DE CONSERVATEUR DE RAISIN, ET PROCEDE D'UTILISATION CORRESPONDANT**
[72] YU, JINZE, CN
[72] WANG, WENSHENG, CN
[72] ZHOU, CHANGCHENG, CN
[72] YANG, DUNDUN, CN
[72] DONG, CHENGHU, CN
[72] CHEN, CUNKUN, CN
[72] JI, HAIPENG, CN
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[54] **TRAITEMENT D'UNE CARTE DE PROFONDEUR POUR UNE IMAGE**
[72] VAREKAMP, CHRISTIAAN, NL
[72] VANDEWALLE, PATRICK LUC ELS, NL
[71] KONINKLIJKE PHILIPS N.V., NL
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[54] **PROCEDE ET APPAREIL DE CONTROLE DE NIVEAU DANS LE MELANGE D'UN SIGNAL AUDIO DANS UN SYSTEME RADIO INTRABANDE SUR CANAL**
[72] OLOCHWOSZCZ, GABRIEL S., US
[72] PAHUJA, ASHWINI, US
[72] VINCELETTE, SCOTT, US
[71] IBIQUITY DIGITAL CORPORATION, US
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[54] **METHODES DE TRAITEMENT DE LA SARCOPENIE ET DE LA FRAGILITE**
[72] PANNEREC, ALICE, CH
[72] FEIGE, JEROME, CH
[71] NESTEC S.A., CH
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[54] **ENSEMBLE VANNE POUR DES ENSEMBLES D'ALIMENTATION ENTERALE AVEC MULTIPLES SOURCES DE FLUIDE**
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[72] ANDREY, NICOLAS, CH
[71] NESTEC S.A., CH
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[54] **DISPOSITIF DE TEST DE TRANSFORMATEUR MOBILE ET PROCEDE DE TEST D'UN TRANSFORMATEUR DE PUISSANCE**
[72] KLAPPER, ULRICH, AT
[72] KUKUK, MATTHIAS, AT
[72] ENGELEN, CHRISTOPH, AT
[72] FLAX, DIRK, AT
[71] OMICRON ELECTRONICS GMBH, AT
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[72] JEPPESEN BENDIX, PER, DK
[71] AARHUS UNIVERSITET, DK
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[54] **COMPOSITIONS ET METHODES POUR AUGMENTER OU MAINTENIR DES POPULATIONS DE FAECALIBACTERIUM PRAUSNITZII**
[72] DERRIEN, MURIEL, FR
[72] LEBAS, MATHILDE, FR
[72] GARAULT, PEGGY, FR
[71] COMPAGNIE GERVAIS DANONE, FR
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[54] **RACCORD POUR UN SYSTEME DE TRANSPORT DE FLUIDE ET SYSTEME DE TRANSPORT DE FLUIDE COMPRENANT UN RACCORD CORRESPONDANT**
[72] ZETTLITZER, GUENTER, DE
[72] ALBRECHT, RUDOLF, DE
[71] ECOLAB USA INC., US
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[51] **Int.Cl. H04L 29/06 (2006.01) H04W 12/04 (2009.01)**
[25] EN
[54] **SECURE TRANSMISSION OF LOCAL PRIVATE ENCODING DATA**
[54] **TRANSMISSION SECURISEE DE DONNEES DE CODAGE PRIVEES LOCALES**
[72] JAKOBI, THOMAS, DE
[72] HAUSEN, DORIS, DE
[72] SCHMIDBERGER, FRANK, DE
[71] VIRTUAL SOLUTION AG, DK
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[25] EN
[54] **SAFETY MODULE AND CHARGING STATION PROVIDED WITH A SAFETY MODULE**
[54] **MODULE DE SECURITE ET STATION DE CHARGE MUNIE D'UN MODULE DE SECURITE**
[72] HELNERUS, STEFAN, DE
[72] HEBELMANN, DANIEL, DE
[72] JUNDEL, SVEN, DE
[72] WAFFNER, JURGEN, DE
[71] INNOGY SE, DE
[85] 2018-06-18
[86] 2016-10-26 (PCT/EP2016/075759)
[87] (WO2017/102155)
[30] DE (10 2015 122 217.5) 2015-12-18

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[51] **Int.Cl. G03F 7/20 (2006.01) G03F 1/62 (2012.01) G03F 1/64 (2012.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A MEMBRANE ASSEMBLY FOR EUV LITHOGRAPHY, A MEMBRANE ASSEMBLY, A LITHOGRAPHIC APPARATUS, AND A DEVICE MANUFACTURING METHOD**
[54] **PROCEDE DE FABRICATION D'ENSEMBLE MEMBRANE POUR LITHOGRAPHIE EUV, ENSEMBLE MEMBRANE, APPAREIL LITHOGRAPHIQUE ET PROCEDE DE FABRICATION DE DISPOSITIF**
[72] JANSSEN, PAUL, NL
[72] KLOOTWIJK, JOHAN HENDRIK, NL
[72] VAN DEN EINDEN, WILHELMUS THEODORUS ANTHONIUS JOHANNES, NL
[72] ZDRAVKOV, ALEXANDAR NIKOLOV, NL
[71] ASML NETHERLANDS B.V., NL
[85] 2018-06-18
[86] 2016-12-02 (PCT/EP2016/079606)
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 47/34 (2017.01)**
[25] EN
[54] **A METHOD OF MANUFACTURING A VAGINAL RING**
[54] **PROCEDE DE FABRICATION D'UN ANNEAU VAGINAL**
[72] KOIVULA, LASSE, FI
[71] BAYER OY, FI
[85] 2018-06-18
[86] 2016-12-19 (PCT/EP2016/081701)
[87] (WO2017/108671)
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[51] **Int.Cl. A61K 9/00 (2006.01) A61K 31/00 (2006.01)**
[25] EN
[54] **METHOD FOR MANUFACTURING A DRUG DELIVERY DEVICE AND A DRUG DELIVERY DEVICE MANUFACTURED ACCORDING TO THE METHOD**
[54] **PROCEDE DE FABRICATION D'UN DISPOSITIF D'ADMINISTRATION DE MEDICAMENT, ET DISPOSITIF D'ADMINISTRATION DE MEDICAMENT FABRIQUE A L'AIDE DU PROCEDE**
[72] HOLMBERG, SVANTE, FI
[72] LYYTIKAINEN, HEIKKI, FI
[72] TALLING, CHRISTINE, FI
[72] RUOTSALAINEN, SAARA, FI
[72] LAAKSO, PETRI, FI
[71] BAYER OY, FI
[85] 2018-06-18
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[87] (WO2017/108676)
[30] EP (15201533.5) 2015-12-21

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[13] A1
[51] **Int.Cl. C09K 8/74 (2006.01) C09K 8/82 (2006.01) C09K 8/86 (2006.01)**
[25] EN
[54] **TARGETING ENHANCED PRODUCTION THROUGH DEEP CARBONATE STIMULATION: STABILIZED ACID EMULSIONS CONTAINING INSOLUBLE SOLID MATERIALS WITH DESIRED WETTING PROPERTIES**
[54] **CIBLAGE D'UNE PRODUCTION AMELIOREE AU MOYEN D'UNE STIMULATION DES CARBONATES PROFONDS: EMULSIONS ACIDES STABILISEES CONTENANT DES MATERIAUX SOLIDES INSOLUBLES PRESENTANT DES PROP RIETES DE MOUILLAGE SOUHAITEES**
[72] CAIRNS, AMY, US
[72] AL-MUNTASHERI, GHAITHAN A., US
[72] SAYED, MOHAMMED, US
[72] FU, LILING, US
[72] QI, GENGGENG, US
[72] GIANNELIS, EMMANUEL P., US
[71] ARAMCO SERVICES COMPANY, US
[71] CORNELL UNIVERSITY, US
[85] 2018-06-15
[86] 2016-12-16 (PCT/US2016/067185)
[87] (WO2017/106651)
[30] US (62/268,714) 2015-12-17

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[51] **Int.Cl. A61B 42/50 (2016.01)**
[25] EN
[54] **GLOVE DONNING SYSTEM**
[54] **SYSTEME D'ENFILAGE DE GANTS**
[72] GAINES, LYNNE H., US
[72] SCHAEFER, SHELLY H., US
[71] GLOVE FIRST, LLC, US
[71] GAINES, LYNNE H., US
[71] SCHAEFER, SHELLY H., US
[85] 2018-06-15
[86] 2016-12-16 (PCT/US2016/067227)
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[30] US (62/268,823) 2015-12-17
[30] US (15/379,995) 2016-12-15

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[13] A1
[51] **Int.Cl. C12Q 1/68 (2018.01)**
[25] EN
[54] **METHOD FOR THE DETECTION OF A SEXUALLY TRANSMITTED INFECTIOUS PATHOGEN**
[54] **PROCEDE DE DETECTION D'UN AGENT PATHOGENE INFECTIEUX SEXUELLEMENT TRANSMISSIBLE**
[72] KROLOV, KATRIN, EE
[72] LANGEL, ULO, SE
[72] TULP, INDREK, EE
[71] SELFDIAGNOSTICS DEUTSCHLAND GMBH, DE
[85] 2018-06-18
[86] 2016-12-19 (PCT/EP2016/081748)
[87] (WO2017/103269)
[30] DK (PA 2015 00822) 2015-12-18

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[51] **Int.Cl. C08G 18/48 (2006.01) C08G 18/10 (2006.01) C08G 18/12 (2006.01) C08G 18/32 (2006.01) C08G 18/75 (2006.01) C08G 18/76 (2006.01) C09D 175/04 (2006.01)**
[25] EN
[54] **POLYALDIMINE AND CURABLE POLYURETHANE COMPOSITION**
[54] **POLYALDIMINE ET COMPOSITION DE POLYURETHANE DURCISSABLE**
[72] BURCKHARDT, URS, CH
[72] KRAMER, ANDREAS, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2018-06-18
[86] 2016-12-20 (PCT/EP2016/081979)
[87] (WO2017/108827)
[30] EP (15201649.9) 2015-12-21

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[13] A1
[51] **Int.Cl. E21B 7/06 (2006.01) E21B 7/04 (2006.01) E21B 17/10 (2006.01) E21B 44/00 (2006.01)**
[25] EN
[54] **DOWNHOLE TOOL FOR VERTICAL AND DIRECTIONAL CONTROL**
[54] **OUTIL DE FOND DE TROU POUR COMMANDE VERTICALE ET DIRECTIONNELLE**
[72] FEDDEMA, CHAD, US
[72] JONES, STEPHEN, US
[72] SUGIURA, JUNICHI, US
[71] SANVEAN TECHNOLOGIES LLC, US
[85] 2018-06-15
[86] 2017-01-06 (PCT/US2017/012584)
[87] (WO2017/120505)
[30] US (62/276,676) 2016-01-08
[30] US (62/344,940) 2016-06-02

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[51] **Int.Cl. A61K 47/10 (2017.01) A61K 31/223 (2006.01) A61K 31/80 (2006.01) A61K 47/14 (2017.01) A61P 1/00 (2006.01) A61P 1/12 (2006.01)**
[25] EN
[54] **NEW IMPROVED COMPOSITION COMPRISING AT LEAST ONE CADOTRIL**
[54] **NOUVELLE COMPOSITION AMELIOREE COMPRENANT AU MOINS UN CADOTRIL**
[72] MUHAMMED, SALIH MUHSIN, SE
[72] LINDELL, KATARINA, SE
[72] HUGERTH, ANDREAS, SE
[71] JOHNSON & JOHNSON CONSUMER INC., US
[85] 2018-06-15
[86] 2017-01-09 (PCT/US2017/012665)
[87] (WO2017/123485)
[30] SE (1650033-2) 2016-01-13

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[13] A1
[51] **Int.Cl. A61K 48/00 (2006.01) C07K 14/705 (2006.01) C12N 15/86 (2006.01)**
[25] EN
[54] **IMPROVED HYBRID DUAL RECOMBINANT AAV VECTOR SYSTEMS FOR GENE THERAPY**
[54] **SYSTEMES DE VECTEURS AAV DE RECOMBINAISON DOUBLES HYBRIDES AMELIORES POUR LA THERAPIE GENIQUE**
[72] KALATZIS, VASILIKI, FR
[72] FRANCOIS, ACHILLE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[71] UNIVERSITE DE NANTES, FR
[71] CENTRE HOSPITALIER UNIVERSITAIRE DE NANTES, FR
[71] UNIVERSITE DE MONTPELLIER, FR
[85] 2018-06-18
[86] 2016-12-21 (PCT/EP2016/082149)
[87] (WO2017/108931)
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[51] **Int.Cl. G05B 23/02 (2006.01) G01R 31/34 (2006.01)**
[25] EN
[54] **MONITORING SYSTEM FOR GROUNDING APPARATUS**
[54] **SYSTEME DE CONTROLE DESTINE A UN APPAREIL DE MISE A LA TERRE**
[72] JAHNKE, DAVID A., US
[72] CUTSFORTH, ROBERT S., US
[72] CUTSFORTH, DUSTIN L., US
[71] CUTSFORTH, INC., US
[85] 2018-06-15
[86] 2017-01-10 (PCT/US2017/012802)
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[30] US (62/277,166) 2016-01-11

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[51] **Int.Cl. A61K 47/65 (2017.01) A61P 3/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **TREATMENT FOR TUMORS DRIVEN BY METABOLIC DYSFUNCTION**
[54] **TRAITEMENT DE TUMEURS INDUITES PAR UN DYSFONCTIONNEMENT METABOLIQUE**
[72] SHANAHAN, JAMES, US
[72] CORNELIUS, PETER, US
[71] SYNDEVRX, INC., US
[85] 2018-06-15
[86] 2017-01-11 (PCT/US2017/012968)
[87] (WO2017/123603)
[30] US (62/277,293) 2016-01-11
[30] US (62/393,929) 2016-09-13
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[51] **Int.Cl. A01G 31/00 (2018.01)**
[25] EN
[54] **GROWTH SUBSTRATE PRODUCT**
[54] **PRODUIT SOUS FORME DE SUBSTRAT DE CROISSANCE**
[72] HJELMGAARD, THOMAS, DK
[72] JANSSEN, FRANK HENDRIKUS PETER, NL
[71] ROCKWOOL INTERNATIONAL A/S, DK
[85] 2018-06-18
[86] 2016-12-21 (PCT/EP2016/082220)
[87] (WO2017/114724)
[30] EP (15202899.9) 2015-12-29

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[13] A1
[51] **Int.Cl. F41J 5/048 (2006.01) F41J 1/10 (2006.01) F41J 7/02 (2006.01)**
[25] EN
[54] **HIT-SCORING APPARATUS AND TARGET PANEL FOR SHOOTING PRACTICE**
[54] **APPAREIL D'EVALUATION PAR SCORE ET PANNEAU FORMANT CIBLE POUR LA PRATIQUE DU TIR**
[72] TESSEL, MORDECHAI, IL
[72] TESSEL, NATANEL, IL
[71] TESSEL, MORDECHAI, IL
[71] TESSEL, NATANEL, IL
[85] 2018-06-15
[86] 2017-01-11 (PCT/US2017/013026)
[87] (WO2017/123638)
[30] IL (243602) 2016-01-13

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[51] **Int.Cl. C12N 9/04 (2006.01) C12N 1/16 (2006.01) C12N 9/02 (2006.01) C12P 7/46 (2006.01)**
[25] EN
[54] **HOST CELLS FOR DICARBOXYLIC ACID PRODUCTION**
[54] **CELLULES HOTES POUR LA PRODUCTION D'UN ACIDE DICARBOXYLIQUE**
[72] LOS, ALRIK PIETER, NL
[72] ZHAO, ZHENG, NL
[72] VERWAAL, RENE, NL
[72] PRONK, JACOBUS THOMAS, NL
[72] POLDERMANS, ROLF, NL
[71] DSM IP ASSETS B.V., NL
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[86] 2016-12-22 (PCT/EP2016/082415)
[87] (WO2017/109091)
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[51] **Int.Cl. C07K 14/08 (2006.01) C12N 7/06 (2006.01)**
[25] EN
[54] **INACTIVATION OF VIRUSES BY DELIPIDATION**
[54] **INACTIVATION DE VIRUS PAR DELIPIDATION**
[72] DIAZ, LEYLA, US
[72] WU, STEPHEN, US
[71] ELANCO US INC., US
[85] 2018-06-15
[86] 2017-01-20 (PCT/US2017/014267)
[87] (WO2017/132059)
[30] US (62/287,488) 2016-01-27

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[51] **Int.Cl. A61B 5/00 (2006.01)**
[25] EN
[54] **INFLATABLE SUPPORT**
[54] **SUPPORT GONFLABLE**
[72] DAVIS, DAVID T., US
[72] WERKHEISER, JASON K., US
[72] ENGLEBERT, JOHN F., US
[71] WOODLARK CIRCLE, INC., US
[85] 2018-06-15
[86] 2017-01-30 (PCT/US2017/015609)
[87] (WO2017/132662)
[30] US (62/288,161) 2016-01-28

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[13] A1
[51] **Int.Cl. C25B 1/00 (2006.01) C25B 9/20 (2006.01) H01L 31/068 (2012.01)**
[25] EN
[54] **SUBSTRATE-ELECTRODE (SE) INTERFACE ILLUMINATED PHOTOELECTRODES AND PHOTOELECTROCHEMICAL CELLS**
[54] **PHOTO-ELECTRODES ECLAIREES A INTERFACE SUBSTRAT-ELECTRODE (SE) ET CELLULES PHOTO-ELECTROCHIMIQUES**
[72] PENELAS PEREZ, GERMAN, ES
[72] HERNANDEZ ALONSO, MARIA DOLORES, ES
[72] ANDREU ARBELLA, TERESA, ES
[72] MORANTE LLEONART, JUAN RAMON, ES
[72] ROS FIGUERAS, CARLES, ES
[72] CARRETERO GONZALEZ, NINA MAGALI, ES
[72] CALLE MARTIN, ERIC, ES
[72] ORTEGA VILLASCLARAS, PABLO, ES
[72] ALCUBILLA GONZALEZ, RAMON, ES
[71] REPSOL, S.A., ES
[85] 2018-06-18
[86] 2016-12-22 (PCT/EP2016/082442)
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[25] EN
[54] **BIOMASS AUTO COMBUSTION CHAMBER**
[54] **CHAMBRE DE COMBUSTION AUTOMATIQUE DE BIOMASSE**
[72] PETRECCA, LUIGI DOMENICO, IT
[71] MICROSYSTEMFUEL S.R.L., IT
[85] 2018-06-18
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[87] (WO2017/114793)
[30] IT (102015000088624) 2015-12-29

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[51] **Int.Cl. F28D 20/02 (2006.01) B60H 1/00 (2006.01) F24H 7/02 (2006.01) F25D 3/00 (2006.01)**
[25] EN
[54] **A THERMAL STORAGE SYSTEM AND TEMPERATURE CONTROLLED CONTAINER COMPRISING THE SAME**
[54] **SYSTEME DE STOCKAGE THERMIQUE ET RECIPIENT A TEMPERATURE REGULEE COMPRENANT CELUI-CI**
[72] CANIERE, HUGO, BE
[72] COUSAERT, ERIK, BE
[72] HUISSEUNE, HENK, BE
[71] UNIVERSITEIT GENT, BE
[71] ETABLISSEMENTEN FRANZ COLRUYT, BE
[85] 2018-06-18
[86] 2016-12-23 (PCT/EP2016/082670)
[87] (WO2017/109230)
[30] EP (PCT/EP2015/081245) 2015-12-24

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[51] **Int.Cl. G01S 15/74 (2006.01)**
[25] EN
[54] **SEMI-PASSIVE TRANSPONDER**
[54] **TRANSPONDEUR SEMI-PASSIF**
[72] BERG, TONE, NO
[72] JOHANSEN, TONNI FRANKE, NO
[72] TRANDEM, ODD, NO
[71] SINTEF TTO AS, NO
[85] 2018-06-18
[86] 2017-01-11 (PCT/EP2017/050466)
[87] (WO2017/121752)
[30] NO (20160076) 2016-01-14

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[13] A1
[51] **Int.Cl. F03D 7/02 (2006.01) F03D 17/00 (2016.01)**
[25] EN
[54] **METHOD FOR EVALUATING AN INFLOW ON A ROTOR BLADE OF A WIND TURBINE, METHOD FOR CONTROLLING A WIND TURBINE, AND A WIND TURBINE**
[54] **PROCEDE D'EVALUATION D'UNE INCIDENCE DU VENT SUR UNE PALE DE ROTOR D'UNE CENTRALE EOLIENNE AINSI QUE PROCEDE POUR COMMANDER UNE CENTRALE EOLIENNE ET CENTRALE EOLIENNE**
[72] NAPIERALA, CHRISTIAN FRANK, DE
[71] WOBBEN PROPERTIES GMBH, DE
[85] 2018-06-18
[86] 2017-01-13 (PCT/EP2017/050687)
[87] (WO2017/121860)
[30] DE (10 2016 100 522.3) 2016-01-13

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[13] A1
[51] **Int.Cl. A24F 23/00 (2006.01) B65D 50/06 (2006.01)**
[25] EN
[54] **CHILD RESISTANT SNUFF CONTAINER**
[54] **CONTENANT DE TABAC A PRISER COMPRENANT UNE SECURITE ENFANTS**
[72] STRAUGHAN, SIMON, GB
[71] SWEDISH MATCH NORTH EUROPE AB, SE
[85] 2018-06-18
[86] 2017-01-18 (PCT/EP2017/050931)
[87] (WO2017/125405)
[30] SE (1650051-4) 2016-01-18

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[13] A1
[51] **Int.Cl. A61K 38/43 (2006.01) A61K 38/47 (2006.01) A61P 3/00 (2006.01) C12N 15/09 (2006.01)**
[25] EN
[54] **HUMAN ALPHA-N-ACETYLGALACTOSAMINIDASE POLYPEPTIDE**
[54] **POLYPEPTIDE D'ALPHA-N-ACETYLGALACTOSAMINIDASE HUMAINE**
[72] VERVECKEN, WOUTER, BE
[72] GEYSENS, STEVEN, BE
[71] OXYRANE UK LIMITED, GB
[85] 2018-06-18
[86] 2016-12-22 (PCT/EP2016/082304)
[87] (WO2017/109034)
[30] EP (15202729.8) 2015-12-24

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[13] A1
[51] **Int.Cl. B01L 3/00 (2006.01) A01N 1/02 (2006.01) A61D 19/02 (2006.01) G06K 19/07 (2006.01) H01Q 1/22 (2006.01)**
[25] EN
[54] **RFID SYSTEM FOR IDENTIFICATION OF CRYOGENIC STRAWS**
[54] **SYSTEME RFID POUR L'IDENTIFICATION DE PAILLETTES CRYOGENIQUES**
[72] PEDERSEN, GERT FROLUND, DK
[72] MIKKELSEN, JAN HVOLGAARD, DK
[71] VIKING GENETICS FMBA, DK
[85] 2018-06-18
[86] 2016-12-23 (PCT/EP2016/082514)
[87] (WO2017/109153)
[30] EP (15202525.0) 2015-12-23

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[13] A1
[51] **Int.Cl. C02F 1/461 (2006.01) C25B 9/20 (2006.01)**
[25] EN
[54] **ELECTRODE MODULE, ELECTROCHEMICAL REACTOR, AND WATER TREATMENT APPARATUS**
[54] **MODULE D'ELECTRODE, REACTEUR ELECTROCHIMIQUE ET APPAREIL DE TRAITEMENT D'EAU**
[72] MARTIKAINEN, MIKA, FI
[72] KARHU, MIKKO, FI
[72] LUUKKONEN, MATTI, FI
[72] ISOMAKI, NIKO, FI
[72] VAN DER MEER, TUOMAS, FI
[71] OUTOTEC (FINLAND) OY, FI
[85] 2018-06-18
[86] 2016-12-21 (PCT/FI2016/050905)
[87] (WO2017/109285)
[30] FI (20155991) 2015-12-22

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[51] **Int.Cl. C07H 15/26 (2006.01) A61K 31/7056 (2006.01) A61P 37/04 (2006.01)**
[25] EN
[54] **IMMUNOSTIMULATORY ADJUVANTS AND USES THEREOF**
[54] **ADJUVANTS IMMUNOSTIMULATEURS ET LEURS UTILISATIONS**
[72] RAHKILA, JANI, FI
[72] LEINO, REKO, FI
[72] SAVOLAINEN, JOHANNES, FI
[71] TURUN YLIOPISTO, FI
[71] ABO AKADEMI, FI
[85] 2018-06-18
[86] 2016-12-21 (PCT/FI2016/050908)
[87] (WO2017/109288)
[30] FI (20155997) 2015-12-22

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[13] A1
[51] **Int.Cl. F41J 1/10 (2006.01) F41J 5/24 (2006.01) F41J 5/26 (2006.01)**
[25] EN
[54] **A CLOSURE FOR A PRESSURISED CONTAINER FOR USE AS A SHOOTING TARGET**
[54] **FERMETURE POUR CONTENANT SOUS PRESSION DESTINE A ETRE UTILISE COMME CIBLE DE TIR**
[72] CAIN, DAVID, GB
[71] BOOM TARGETS LTD, GB
[85] 2018-06-18
[86] 2016-11-22 (PCT/GB2016/053625)
[87] (WO2017/109453)
[30] GB (1522626.9) 2015-12-22
[30] GB (1607618.4) 2016-05-03

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[13] A1
[51] **Int.Cl. C08G 63/48 (2006.01) C09D 167/08 (2006.01)**
[25] EN
[54] **OXIDATIVELY CURABLE COATING COMPOSITION**
[54] **COMPOSITION DE REVETEMENT DURCISSABLE PAR OXYDATION**
[72] MAAIJEN, KARIN, NL
[72] HAGE, RONALD, NL
[71] CATEXEL LIMITED, GB
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[54] **MEANS AND METHODS FOR DETERMINATION OF A METABOLIC STATE OF A PLANT**
[54] **MOYENS ET PROCEDES DE DETERMINATION D'UN ETAT METABOLIQUE D'UNE PLANTE**
[72] FUX, ELIE, DE
[72] DOSTLER, MARTIN, DE
[72] TERNES, PHILIPP, DE
[71] BASF PLANT SCIENCE COMPANY GMBH, DE
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[54] **SAMPLE MIXING CONTROL**
[54] **COMMANDE DE MELANGE D'ECHANTILLON**
[72] RUSSAK, ZEEV, IL
[71] AZURE VAULT LTD., IL
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[54] **RETRACTABLE HEAT SOURCE FOR AEROSOL GENERATING ARTICLE**
[54] **SOURCE DE CHALEUR RETRACTABLE POUR ARTICLE GENERATEUR D'AEROSOL**
[72] LAVANCHY, FREDERIC, CH
[72] MALGAT, ALEXANDRE, CH
[72] SAYGILI, ALI MURAT, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[54] **NICOTINE PARTICLE CAPSULE**
[54] **CAPSULE DE PARTICULE DE NICOTINE**
[72] ZUBER, GERARD, CH
[72] VOLPE, NICOLO, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
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[25] EN
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[54] **ANTICORPS MONOCLONAUX HUMAINISES IMMUNOSTIMULANTS DIRIGES CONTRE L'INTERLEUKINE -2 HUMAINE, ET LEURS PROTEINES DE FUSION**
[72] ARENAS-RAMIREZ, NATALIA, CH
[72] BEUVINK, IWAN, CH
[72] BOYMAN, ONUR, CH
[72] BRANNETTI, BARBARA, CH
[72] KATOPODIS, ANDREAS, CH
[72] POPP, SIMONE, CH
[72] REGNIER, CATHERINE, CH
[72] ZOU, CHAO, CH
[71] UNIVERSITAT ZURICH, CH
[71] NOVARTIS AG, CH
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[54] **LEADING EDGE SHIELD**
[54] **BOUCLIER DE BORD D'ATTAQUE**
[72] POUZADOUX, FREDERIC JEAN-BERNARD, FR
[72] BASSOT, ALAIN JACQUES MICHEL, FR
[72] GUIVARC'H, JEREMY, FR
[72] NOTARIANNI, GILLES PIERRE-MARIE, FR
[72] RUF, THIBAULT, FR
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[54] **FILTER ASSEMBLY AND METHOD OF USE**
[54] **ENSEMBLE FILTRE ET PROCEDE D'UTILISATION**
[72] LI, YONGWANG, US
[71] SYNFUEL AMERICAS CORPORATION, US
[85] 2018-06-18
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[25] FR
[54] **DEVICE AND SYSTEM FOR DETECTING A SIGNAL FOR LOCATING AN UNDERWATER SOURCE**
[54] **DISPOSITIF ET SYSTEME DE DETECTION D'UN SIGNAL POUR LA LOCALISATION D'UNE SOURCE SOUS-MARINE**
[72] CLAVIER, VINCENT, FR
[71] ECA ROBOTICS, FR
[85] 2018-06-18
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[25] FR
[54] **METHOD FOR SHARPENING A MACHINING TIP AND CORRESPONDING SHARPENED TIP**
[54] **PROCEDE D'AFFUTAGE DE PLAQUETTE D'USINAGE ET PLAQUETTE AFFUTEE CORRESPONDANTE**
[72] LOISON, LUDOVIC, FR
[72] DE PONNAT, ARNAUD, FR
[72] MARTIN, OLIVIER, FR
[71] MECACHROME FRANCE, FR
[85] 2018-06-18
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[25] FR
[54] **ACOUSTIC PLASTERBOARD**
[54] **PLAQUE ACOUSTIQUE A BASE DE PLATRE**
[72] CHUDA, KATARZYNA, FR
[72] DEMATHIEU-ROELTGEN, CAROLINE, FR
[72] CHOPIN, VERONIQUE, FR
[71] SAINT-GOBAIN PLACO, FR
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[54] **AIR FILTER FOR COOLING AN ELECTRIC MOTOR AND APPROPRIATE MOUNTING SUPPORT**
[54] **FILTRE A AIR POUR REFROIDIR UN MOTEUR ELECTRIQUE ET SUPPORT DE MONTAGE APPROPRIE**
[72] LAPELOSA, MICHELE, IT
[71] NITTY-GRITTY S.R.L., IT
[85] 2018-06-18
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[25] EN
[54] **GAS TURBINE**
[54] **TURBINE A GAZ**
[72] OKABE, YOSHIYUKI, JP
[72] HORIE, SHIGENARI, JP
[72] HANADA, TADAYUKI, JP
[71] MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD., JP
[85] 2018-06-18
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[25] EN
[54] **METHOD FOR REDUCING CORROSIVE IONS IN AROMATIC COMPOUND EXTRACTION SOLVENT**
[54] **PROCEDE DE REDUCTION D'IONS CORROSIFS DANS UN SOLVANT D'EXTRACTION DE COMPOSE AROMATIQUE**
[72] KARAKI, KEISUKE, JP
[72] KOIZUMI, MASAKAZU, JP
[71] KURITA WATER INDUSTRIES LTD., JP
[85] 2018-06-18
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[25] EN
[54] **ELECTRONIC COMPONENT HOLDER**
[54] **SUPPORT DE COMPOSANT ELECTRONIQUE**
[72] MATSUMAE, TAROU, JP
[72] TAKEUCHI, SATOSHI, JP
[72] KONDA, KENJI, JP
[71] KYB CORPORATION, JP
[85] 2018-06-18
[86] 2016-11-04 (PCT/JP2016/082854)
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[51] **Int.Cl. B23C 5/10 (2006.01)**
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[54] **CUTTING TOOL**
[54] **OUTIL DE COUPE**
[72] MATSUDA, YUSUKE, JP
[72] HIGASHI, TAISUKE, JP
[72] KUKINO, SATORU, JP
[72] KANDA, TAKASHI, JP
[71] SUMITOMO ELECTRIC HARDMETAL CORP., JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
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[54] **DOUBLE-WALLED CONTAINER**
[54] **RECIPIENT DOUBLE COUCHE**
[72] KITORA, SHUICHI, JP
[72] MIYAIRI, KEISUKE, JP
[71] YOSHINO KOGYOSHO CO., LTD., JP
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[25] EN
[54] **CUTTING TOOL**
[54] **OUTIL DE COUPE**
[72] MATSUDA, YUSUKE, JP
[72] HIGASHI, TAISUKE, JP
[72] KUKINO, SATORU, JP
[72] KANDA, TAKASHI, JP
[72] OKAMURA, KATSUMI, JP
[71] SUMITOMO ELECTRIC HARDMETAL CORP., JP
[71] SUMITOMO ELECTRIC INDUSTRIES, LTD., JP
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[54] **METHOD FOR PRODUCING (METH)ACRYLIC ACID**
[54] **PROCEDE DE PRODUCTION D'ACIDE (METH)ACRYLIQUE**
[72] KANEKO, DAISAKU, JP
[72] TANIGUCHI, TAKANORI, JP
[71] MITSUBISHI CHEMICAL CORPORATION, JP
[85] 2018-06-18
[86] 2016-12-08 (PCT/JP2016/086582)
[87] (WO2017/110506)
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[25] EN
[54] **ANTI-COUNTERFEIT INK COMPOSITION, ANTI-COUNTERFEIT INK, ANTI-COUNTERFEIT PRINTED MATTER, AND METHOD FOR PRODUCING THE ANTI-COUNTERFEIT INK COMPOSITION**
[54] **COMPOSITION POUR ENCRE ANTI-CONTREFACON, ENCRE ANTI-CONTREFACON, ARTICLE IMPRIME POUR LA PREVENTION DE LA CONTREFACON, ET PROCEDE DE PRODUCTION DE COMPOSITION POUR ENCRE ANTI-CONTREFACON**
[72] TSUNEMATSU, HIROFUMI, JP
[72] CHONAN, TAKESHI, JP
[71] SUMITOMO METAL MINING CO., LTD., JP
[85] 2018-06-18
[86] 2016-12-19 (PCT/JP2016/087803)
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[54] **CONTACT LENS FOR CORRECTIVE CORNEAL CROSSLINKING AND METHOD FOR PRODUCING SAME**
[54] **LENTILLE DE CONTACT DESTINEE A UNE RETICULATION CORNEENNE CORRECTRICE ET SON PROCEDE DE PRODUCTION**
[72] MITSUI, IWANE, JP
[71] MITSUI MEDICAL COMMERCE CO., LTD., JP
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[86] 2016-12-22 (PCT/JP2016/088392)
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[25] EN
[54] **METHODS OF DRAWING OUT OILS AND FATS FROM SOLID MATERIAL USING CHLORINE DIOXIDE**
[54] **PROCEDES D'EXTRACTION D'HUILES ET DE GRAISSES A PARTIR D'UNE MATIERE SOLIDE A L'AIDE DE DIOXYDE DE CHLORE**
[72] MASON, JOHN Y., US
[72] BETTE, MADELINE C., US
[72] BETTE, KEVIN M., US
[71] SABRE INTELLECTUAL PROPERTY HOLDINGS LLC, US
[85] 2018-06-15
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[54] **NOVEL .BETA.-GALACTOSIDASE**
[54] **NOUVELLE BETA-GALACTOSIDASE**
[72] HOSHI, YUKIKO, JP
[72] OKADA, MASAMICHI, JP
[72] HORII, AKIO, JP
[72] HOJO, MASAYUKI, JP
[71] AMANO ENZYME INC., JP
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[86] 2016-12-27 (PCT/JP2016/089001)
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[25] EN
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[54] **ACIER A OUTILS POUR TRAVAIL A CHAUD**
[72] MEDVEDEVA, ANNA, SE
[72] ANDERSSON, JERKER, SE
[72] ROBERTSSON, RIKARD, SE
[72] NILSSON, CHERIN, SE
[72] EJNERMARK, SEBASTIAN, SE
[71] UDDEHOLMS AB, SE
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[54] **GROUND FAULT CIRCUIT INTERRUPTER (GFCI) SYSTEM AND METHOD**
[54] **SYSTEME ET PROCEDE D'INTERRUPTEUR DE CIRCUIT DE DEFAUT DE MISE A LA TERRE (GFCI)**
[72] SIMONIN, STEPHEN PAUL, US
[71] HUBBELL INCORPORATED, US
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[54] **SYSTEMS AND METHODS FOR RECOVERING DESIRED LIGHT HYDROCARBONS FROM REFINERY WASTE GAS USING A BACK-END TUBOEXPANDER**
[54] **SYSTEMES ET PROCEDES DE RECUPERATION D'HYDROCARBURES LEGERS DESIRES A PARTIR DE DECHETS GAZEUX DE RAFFINERIE AU MOYEN D'UN TURBODETENDEUR AVAL**
[72] GARBOUCHIAN, BERJ, US
[72] GOLIKERI, SUDHIR, US
[72] YU, JIE, US
[72] LEUNG, VINCENT, US
[71] BECHTEL HYDROCARBON TECHNOLOGY SOLUTIONS, INC., US
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[25] EN
[54] **POWER SUPPLY ASSEMBLY, NON-COMBUSTION-TYPE FLAVOR INHALER, AND NON-COMBUSTION-TYPE FLAVOR INHALATION SYSTEM**
[54] **ENSEMBLE D'ALIMENTATION ELECTRIQUE, INHALATEUR D'AROME DU TYPE SANS COMBUSTION, SYSTEME D'INHALATION D'AROME DU TYPE SANS COMBUSTION**
[72] TAKEUCHI, MANABU, JP
[72] NAKANO, TAKUMA, JP
[72] YAMADA, MANABU, JP
[71] JAPAN TOBACCO INC., JP
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[51] **Int.Cl. G01R 31/28 (2006.01)**
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[54] **GFCI SELF TEST SOFTWARE FOR AUTONOMOUS MONITORING AND FAIL SAFE POWER DENIAL**
[54] **LOGICIEL D'AUTO-ESSAI GFCI POUR SURVEILLANCE AUTONOME ET REFUS D'ENERGIE ELECTRIQUE A SECURITE INTRINSEQUE**
[72] SIMONIN, STEPHEN PAUL, US
[71] HUBBELL INCORPORATED, US
[85] 2018-06-18
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[54] **LOW-PROFILE EDGE POCKET**
[54] **POCHE DE BORD A PROFIL BAS**
[72] STAUB, ANDREA J., US
[71] NIKE INNOVATE C.V., US
[85] 2018-06-18
[86] 2016-12-20 (PCT/US2016/067691)
[87] (WO2017/112637)
[30] US (62/270,740) 2015-12-22
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[51] **Int.Cl. H02H 3/08 (2006.01)**
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[54] **DELAY CIRCUIT FOR CIRCUIT INTERRUPTING DEVICE**
[54] **CIRCUIT A RETARD POUR DISPOSITIF INTERRUPTEUR DE CIRCUIT**
[72] SIMONIN, STEPHEN PAUL, US
[71] HUBBELL INCORPORATED, US
[85] 2018-06-18
[86] 2015-12-18 (PCT/US2015/066630)
[87] (WO2017/105484)

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[13] A1
[51] **Int.Cl. A61K 38/22 (2006.01) A61K 31/14 (2006.01) A61K 31/506 (2006.01) A61K 31/517 (2006.01) A61K 31/573 (2006.01) A61K 45/06 (2006.01) G01N 33/574 (2006.01)**
[25] EN
[54] **SMALL MOLECULE INHIBITORS OF HLA-DR3 BINDING FOR TREATING AUTOIMMUNE THYROIDITIS**
[54] **INHIBITEURS A PETITE MOLECULE DE LIAISON A HLA-DR3 POUR TRAITER LA THYROIDITE AUTO-IMMUNE**
[72] TOMER, YARON, US
[72] OSMAN, ROMAN, US
[71] ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI, US
[85] 2018-06-18
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[51] **Int.Cl. C10L 1/04 (2006.01)**
[25] EN
[54] **METHODS OF PROVIDING HIGHER QUALITY LIQUID KEROSENE BASED-PROPULSION FUELS**
[54] **PROCEDES DE FOURNITURE DE CARBURANTS DE PROPULSION A BASE DE KEROSENE LIQUIDE DE QUALITE SUPERIEURE**
[72] GINESTRA, CYNTHIA NATALIE, US
[72] DALLY, BRICE NATHANIEL, US
[72] BAULDREAY, JOANNA MARGARET, GB
[72] HEMIGHAUS, GREGORY, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[86] 2016-12-21 (PCT/US2016/067901)
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[30] US (62/270,181) 2015-12-21

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[51] **Int.Cl. C10L 1/04 (2006.01)**
[25] EN
[54] **METHODS OF PROVIDING HIGHER QUALITY LIQUID KEROSENE BASED-PROPULSION FUELS**
[54] **PROCEDES DE FOURNITURE DE CARBURANTS DE PROPULSION LIQUIDES A BASE DE KEROSENE DE QUALITE SUPERIEURE**
[72] GINESTRA, CYNTHIA NATALIE, US
[72] DALLY, BRICE NATHANIEL, US
[72] BAULDREAY, JOANNA MARGARET, GB
[72] HEMIGHAUS, GREGORY, US
[72] HUNT, ANTON, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
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[87] (WO2017/112717)
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[51] **Int.Cl. A21D 8/04 (2006.01) C11B 3/00 (2006.01) C12N 9/16 (2006.01) C12N 9/18 (2006.01)**
[25] EN
[54] **IMPROVED ENZYMATIC MODIFICATION OF WHEAT PHOSPHOLIPIDS IN BAKERY APPLICATIONS**
[54] **MODIFICATION ENZYMATIQUE AMELIOREE DE PHOSPHOLIPIDES DE BLE DANS DES APPLICATIONS DE BOULANGERIE**
[72] SOE, JORN BORCH, DK
[72] MIKKELSEN, RENE, DK
[72] JORGENSEN, TINA LILLAN, DK
[71] DUPONT NUTRITION BIOSCIENCES APS, DK
[85] 2018-06-18
[86] 2016-12-21 (PCT/US2016/067942)
[87] (WO2017/112734)
[30] GB (1522681.4) 2015-12-22
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[51] **Int.Cl. H01J 49/16 (2006.01) B05B 5/12 (2006.01) B05B 5/16 (2006.01) G01N 30/72 (2006.01) H01J 49/04 (2006.01)**
[25] EN
[54] **ESI-MS VIA AN ELECTROKINETICALLY PUMPED INTERFACE**
[54] **ESI-MS PAR L'INTERMEDIAIRE D'UNE INTERFACE POMPEE ELECTROCINETIQUEMENT**
[72] DOVICHI, NORMAN, US
[72] SARVER, SCOTT, US
[72] SCHIAVONE, NICOLE, US
[72] ZHANG, ZHENBIN, US
[72] SUN, LIANGLIANG, US
[71] UNIVERSITY OF NOTRE DAME DU LAC, US
[85] 2018-06-18
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[87] (WO2017/117533)
[30] US (62/274,097) 2015-12-31

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[51] **Int.Cl. G06F 17/40 (2006.01) G06F 11/30 (2006.01) G06F 11/34 (2006.01)**
[25] EN
[54] **SEARCH AND RETRIEVAL DATA PROCESSING SYSTEM FOR COMPUTING NEAR REAL-TIME DATA AGGREGATIONS**
[54] **RECHERCHE ET EXTRACTION DANS UN SYSTEME DE TRAITEMENT DE DONNEES POUR CALCULER DES AGREGATIONS DE DONNEES PRESQUE EN TEMPS REEL**
[72] MACLEAN, JOHN, US
[72] VEISER, PAUL, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2018-06-18
[86] 2016-12-20 (PCT/US2016/067840)
[87] (WO2017/112697)
[30] US (62/270,257) 2015-12-21
[30] US (15/360,449) 2016-11-23

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[51] **Int.Cl. A61K 35/12 (2015.01) A61K 35/18 (2015.01) C12N 5/10 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS RELATED TO MULTIMODAL THERAPEUTIC CELL SYSTEMS FOR CANCER INDICATIONS**
[54] **COMPOSITIONS ET METHODES ASSOCIEES A DES SYSTEMES CELLULAIRES THERAPEUTIQUES MULTIMODAUX POUR DES INDICATIONS DU CANCER**
[72] KAHVEJIAN, AVAK, US
[72] MATA-FINK, JORDI, US
[72] DEANS, ROBERT J., US
[72] CHEN, TIFFANY F., US
[72] ROUND, JOHN, US
[72] AFEYAN, NOUBAR B., US
[72] STRAIGHT NISSEN, TORBEN, US
[72] DOWDEN, NATHAN, US
[72] WICKHAM, TOM, US
[72] ELLOUL, SIVAN, US
[71] RUBIUS THERAPEUTICS, INC., US
[85] 2018-06-18
[86] 2017-01-11 (PCT/US2017/013035)
[87] (WO2017/123646)
[30] US (62/277,130) 2016-01-11
[30] US (62/359,448) 2016-07-07
[30] US (62/370,915) 2016-08-04
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[51] **Int.Cl. C07C 37/14 (2006.01) C08G 8/22 (2006.01) C08G 12/44 (2006.01) C08K 5/105 (2006.01) C08L 1/14 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR MODIFIED ESTER-CURATIVES AND REDUCTION OF FORMALDEHYDE EMISSION AND ODOR PHENOLIC BINDER SYSTEMS**
[54] **COMPOSITIONS ET PROCEDES DE REDUCTION POUR AGENTS DE DURCISSEMENT DE TYPE ESTER MODIFIES ET REDUCTION DE SYSTEMES DE LIANT PHENOLIQUE D'EMISSION ET D'ODEURS DE FORMALDEHYDE**
[72] TRIKHA, SUDHIR K., US
[71] HA-INTERNATIONAL, LLC, US
[85] 2018-06-18
[86] 2016-06-10 (PCT/US2016/037033)
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[30] US (14/975,471) 2015-12-18

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[51] **Int.Cl. A61K 38/31 (2006.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SOLUTION PHASE GAP PEPTIDE SYNTHESIS**
[54] **SYSTEME ET PROCEDE DE SYNTHESE DE PEPTIDES GAP EN PHASE SOLUTION**
[72] LI, GUIGEN, US
[72] SEIFERT, COLE, US
[71] TEXAS TECH UNIVERSITY SYSTEM, US
[85] 2018-06-18
[86] 2016-12-21 (PCT/US2016/068112)
[87] (WO2017/112809)
[30] US (62/270,432) 2015-12-21

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[51] **Int.Cl. E21B 19/14 (2006.01) E21B 19/083 (2006.01)**
[25] EN
[54] **CASING RACKING MODULE**
[54] **MODULE DE RATELIER A TUBAGE**
[72] BERRY, JOE RODNEY, US
[72] METZ, ROBERT, US
[71] SCHLUMBERGER CANADA LIMITED, CA
[85] 2018-06-18
[86] 2016-11-09 (PCT/US2016/061027)
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[30] US (62/257,676) 2015-11-19

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[51] **Int.Cl. C10L 1/04 (2006.01)**
[25] EN
[54] **METHODS OF PROVIDING HIGHER QUALITY LIQUID KEROSENE BASED-PROPULSION FUELS**
[54] **PROCEDES DE FOURNITURE DE CARBURANTS DE PROPULSION LIQUIDES A BASE DE KEROSENE DE QUALITE SUPERIEURE**
[72] GINESTRA, CYNTHIA NATALIE, US
[72] DALLY, BRICE NATHANIEL, US
[72] BAULDREAY, JOANNA MARGARET, GB
[72] HEMIGHAUS, GREGORY, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-06-18
[86] 2016-12-21 (PCT/US2016/067904)
[87] (WO2017/112718)
[30] US (62/270,192) 2015-12-21

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[51] **Int.Cl. F24F 1/02 (2011.01) F24F 11/88 (2018.01) F24F 3/14 (2006.01) F24F 13/20 (2006.01) F24F 13/22 (2006.01) F24F 13/32 (2006.01)**
[25] EN
[54] **VARIABLE REFRIGERANT PACKAGE**
[54] **BLOC REFRIGERANT VARIABLE**
[72] EICHER, KEVIN L., US
[72] CAGLE, GEORGE C., US
[72] GUERRERO, EDUARDO J., US
[72] COTNER, BASCOM C., US
[71] FRIEDRICH AIR CONDITIONING, LLC, US
[85] 2018-06-18
[86] 2016-11-29 (PCT/US2016/063964)
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[30] US (14/975,166) 2015-12-18

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[51] **Int.Cl. C10G 9/16 (2006.01) C07C 7/20 (2006.01) C10G 75/04 (2006.01)**
[25] EN
[54] **METHOD TO DISPERSE BYPRODUCTS FORMED IN DILUTION STEAM SYSTEMS**
[54] **PROCEDE DE DISPERSION DE SOUS-PRODUITS FORMES DANS DES SYSTEMES DE DILUTION A LA VAPEUR**
[72] LEEN, STEVEN, BE
[72] CUOQ, FABRICE, NL
[72] VAN ZIJL, ANTHONI, NL
[72] VACHON, JEROME, NL
[72] WATSON, RUSSELL, US
[72] ARNST, THEODORE, US
[72] FLORENCIO, JAVIER, ES
[72] ALURI, BHASKAR, IN
[71] ECOLAB USA INC., US
[71] SABIC GLOBAL TECHNOLOGIES B.V., NL
[85] 2018-06-18
[86] 2016-12-27 (PCT/US2016/068637)
[87] (WO2017/117085)
[30] US (62/271,667) 2015-12-28

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[51] **Int.Cl. G02B 6/24 (2006.01) G02B 6/36 (2006.01) G02B 6/42 (2006.01)**
[25] EN
[54] **DEEP FIBER PUSH CONNECTOR THAT ALLOWS FOR ROTATION DURING TIGHTENING WITHOUT DAMAGING CABLE**
[54] **CONNECTEUR POUSSOIR A FIBRE PROFONDE PERMETTANT UNE ROTATION PENDANT LE SERRAGE SANS ENDOMMAGER LE CABLE**
[72] PURDY, ERIC J., US
[71] PPC BROADBAND, INC., US
[85] 2018-06-18
[86] 2016-12-21 (PCT/US2016/068156)
[87] (WO2017/116920)
[30] US (62/387,052) 2015-12-21

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[13] A1
[51] **Int.Cl. F17C 1/16 (2006.01) F17C 13/08 (2006.01)**
[25] EN
[54] **INTEGRATED COMPOSITE MOUNTING STRUCTURE FOR USE IN PRESSURE VESSELS AND PRESSURE VESSEL SYSTEMS**
[54] **STRUCTURE DE MONTAGE COMPOSITE INTEGREE DESTINEE A ETRE UTILISEE DANS DES RECIPIENTS SOUS PRESSION ET SYSTEMES DE RECIPIENTS SOUS PRESSION**
[72] VILLARREAL, R., MATT, US
[71] CLEANNG LLC, US
[85] 2018-06-18
[86] 2017-01-03 (PCT/US2017/012039)
[87] (WO2017/117603)
[30] US (62/273,591) 2015-12-31

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[51] **Int.Cl. C01B 33/12 (2006.01) A61K 6/00 (2006.01) C01B 33/149 (2006.01)**
[25] EN
[54] **MUCIN COATED SILICA FOR BACTERIAL AGGREGATION**
[54] **SILICE RECOUVERTE DE MUCINE POUR L'AGREGATION BACTERIENNE**
[72] DAEP, CARLO, US
[72] FITZGERALD, MICHAEL, US
[72] MAKWANA, EKTA, US
[72] HILLIARD, PETER R., JR., US
[72] ANSARI, SHAMIM, US
[72] D'AMBROGIO, ROBERT, US
[71] COLGATE-PALMOLIVE COMPANY, US
[85] 2018-06-18
[86] 2016-12-30 (PCT/US2016/069419)
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[30] US (62/273,105) 2015-12-30

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[51] **Int.Cl. B81B 7/02 (2006.01) G01N 35/08 (2006.01)**
[25] EN
[54] **MICROFLUIDIC DEVICES FOR OPTICALLY-DRIVEN CONVECTION AND DISPLACEMENT, KITS AND METHODS THEREOF**
[54] **DISPOSITIFS MICROFLUIDIQUES POUR CONVECTION ET DEPLACEMENT A COMMANDE OPTIQUE, KITS ET PROCEDES ASSOCIES**
[72] KURZ, VOLKER L.S., US
[72] LIONBERGER, TROY A., US
[72] SACKMANN, ERIC K., US
[72] SZETO, KAI W., US
[72] LEBEL, PAUL M., US
[72] BRUHN, BRANDON R., US
[72] BREINLINGER, KEITH J., US
[72] HOBBS, ERIC D., US
[72] MCFARLAND, ANDREW W., US
[72] NEVILL, J. TANNER, US
[72] WANG, XIAOHUA, US
[71] BERKELEY LIGHTS, INC., US
[85] 2018-06-18
[86] 2016-12-29 (PCT/US2016/069249)
[87] (WO2017/117408)
[30] US (62/273,104) 2015-12-30
[30] US (62/314,889) 2016-03-29
[30] US (62/428,539) 2016-12-01

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[13] A1
[51] **Int.Cl. C07K 16/28 (2006.01) A61K 39/395 (2006.01) A61K 45/06 (2006.01)**
[25] EN
[54] **MULTIVALENT AND MULTISPECIFIC OX40-BINDING FUSION PROTEINS**
[54] **PROTEINES DE FUSION MULTIVALENTES ET MULTISPECIFIQUES FIXANT OX40**
[72] ECKELMAN, BRENDAN P., US
[72] TIMMER, JOHN C., US
[72] HATA, CHELSIE, US
[72] JONES, KYLE S., US
[72] HUSSAIN, ABRAHIM, US
[72] RAZAI, AMIR S., US
[72] BECKLUND, BRYAN, US
[72] PANDIT, RAJAY, US
[72] KAPLAN, MIKE, US
[72] RASON, LUCAS, US
[72] DEVERAUX, QUINN, US
[71] INHIBRX, INC., US
[85] 2018-06-18
[86] 2017-01-11 (PCT/US2017/013070)
[87] (WO2017/123673)
[30] US (62/277,027) 2016-01-11

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[13] A1
[51] **Int.Cl. B65G 15/30 (2006.01)**
[25] EN
[54] **CONVEYOR BELT AND MODULE WITH SKEWED AIR-FLOW PASSAGES**
[54] **COURROIE TRANSPORTEUSE ET MODULE A PASSAGES D'ECOULEMENT D'AIR OBLIQUES**
[72] GUNDLACH, JAMES O., US
[71] LAITRAM, L.L.C., US
[85] 2018-06-18
[86] 2017-01-06 (PCT/US2017/012501)
[87] (WO2017/127244)
[30] US (62/280,461) 2016-01-19

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[13] A1
[51] **Int.Cl. B29C 35/00 (2006.01) B29C 37/00 (2006.01) B29C 47/78 (2006.01) B29C 47/92 (2006.01)**
[25] EN
[54] **CONTROLLED PRESSURE ENCLOSURE**
[54] **ENCEINTE A PRESSION REGULEE**
[72] CREE, ROBERT E., US
[72] RANDOLPH, WILLIAM J., US
[71] ADDEX, INC., US
[85] 2018-06-18
[86] 2017-01-13 (PCT/US2017/013546)
[87] (WO2017/124026)
[30] US (14/997,127) 2016-01-15

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[51] **Int.Cl. G06Q 10/00 (2012.01) H04W 4/00 (2018.01) H04W 4/14 (2009.01) G07C 11/00 (2006.01) H04B 5/00 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR VIRAL IDENTIFICATION OF EVACUEES**
[54] **PROCEDE ET SYSTEME D'IDENTIFICATION VIRALE DE PERSONNES EVACUEES**
[72] RACZ, PIERRE, CA
[71] GENETEC INC., CA
[85] 2018-06-19
[86] 2016-08-31 (PCT/CA2016/051031)
[87] (WO2017/106961)
[30] US (62/270,322) 2015-12-21

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[51] **Int.Cl. B29C 47/88 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE COOLING ELEMENT**
[54] **ELEMENT DE REFROIDISSEMENT A HAUTES PERFORMANCES**
[72] CREE, ROBERT E., US
[72] RANDOLPH, WILLIAM J., US
[71] ADDEX, INC., US
[85] 2018-06-18
[86] 2017-01-13 (PCT/US2017/013556)
[87] (WO2017/124031)
[30] US (14/997,157) 2016-01-15
[30] US (15/235,868) 2016-08-12

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[51] **Int.Cl. B01L 3/00 (2006.01) B01L 7/00 (2006.01) G01N 21/64 (2006.01) G01N 35/02 (2006.01)**
[25] EN
[54] **LIGHT-MEDIATED POLYMERASE CHAIN REACTION AMPLIFICATION AND PRODUCT DETECTION SYSTEM AND METHODS OF USE**
[54] **AMPLIFICATION EN CHAINE PAR POLYMERASE MEDIEE PAR LA LUMIERE ET SYSTEME DE DETECTION DE PRODUIT ET PROCEDES D'UTILISATION**
[72] BIRO, RONALD L., US
[72] HUNT, BEAU, US
[71] PIONEER HI-BRED INTERNATIONAL, INC., US
[85] 2018-06-18
[86] 2017-03-08 (PCT/US2017/021359)
[87] (WO2017/156126)
[30] US (62/306,432) 2016-03-10

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[13] A1
[51] **Int.Cl. H04L 5/00 (2006.01)**
[25] EN
[54] **EXTENDED RANGE MODE TRANSMISSION METHOD AND APPARATUS**
[54] **PROCEDE ET APPAREIL DE TRANSMISSION EN MODE A PORTEE ETENDUE**
[72] ZHU, JUN, CN
[72] ZHANG, JIAYIN, CN
[72] PANG, JIYONG, CN
[72] LIU, LE, CN
[71] HUAWEI TECHNOLOGIES CO., LTD., CN
[85] 2018-06-19
[86] 2016-12-05 (PCT/CN2016/108602)
[87] (WO2017/118253)
[30] CN (201610011376.1) 2016-01-07

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[51] **Int.Cl. E06B 9/24 (2006.01)**
[25] EN
[54] **WINDOW SHADE**
[54] **STORE DE FENETRE**
[72] HUANG, CHIN-TIEN, TW
[72] HUANG, CHIEN-IAN, TW
[71] TEH YOR CO., LTD., TW
[85] 2018-06-18
[86] 2017-06-16 (PCT/US2017/037870)
[87] (WO2017/218890)
[30] US (62/351,352) 2016-06-17

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[13] A1
[51] **Int.Cl. B29C 47/88 (2006.01) B29C 47/00 (2006.01) B29C 47/06 (2006.01) B29C 47/78 (2006.01) B29C 55/00 (2006.01) B32B 27/32 (2006.01)**
[25] EN
[54] **HIGH PERFORMANCE COOLING SYSTEM**
[54] **SYSTEME DE REFROIDISSEMENT A HAUTES PERFORMANCES**
[72] CREE, ROBERT E., US
[72] RANDOLPH, WILLIAM J., US
[71] ADDEX, INC., US
[85] 2018-06-18
[86] 2017-01-13 (PCT/US2017/013562)
[87] (WO2017/124035)
[30] US (14/997,082) 2016-01-15
[30] US (15/348,640) 2016-11-10
[30] US (15/406,139) 2017-01-13

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[13] A1
[51] **Int.Cl. C09K 17/32 (2006.01) E21D 9/06 (2006.01)**
[25] EN
[54] **FOAMING ADDITIVE FOR SOIL CONDITIONING IN THE PRESENCE OF MECHANISED EXCAVATION FOR TUNNEL CONSTRUCTION**
[54] **ADDITIF POROGENE POUR CONDITIONNER LE SOL EN PRESENCE D'UNE EXCAVATION MECANISEE POUR LA CONSTRUCTION D'UN TUNNEL**
[72] STEFANONI, MASSIMO, IT
[72] PISTOLESI, CARLO, IT
[72] SQUINZI, MARCO, IT
[72] DAL NEGRO, ENRICO, IT
[72] MALTESE, CRISTIANO, IT
[72] PEILA, DANIELE, IT
[71] MAPEI S.P.A., IT
[85] 2018-06-19
[86] 2016-12-06 (PCT/EP2016/079810)
[87] (WO2017/108382)
[30] IT (102015000085939) 2015-12-21

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[51] **Int.Cl. A47J 27/00 (2006.01) A45F 3/00 (2006.01) A47J 33/00 (2006.01) A47J 36/04 (2006.01)**
[25] EN
[54] **COLLAPSIBLE CONTAINER SYSTEMS**
[54] **SYSTEMES DE RECIPIENT PLIABLE**
[72] SANTIAGO, CORY, US
[71] BEAR MINIMUM LLC, US
[85] 2018-06-18
[86] 2017-08-11 (PCT/US2017/046476)
[87] (WO2018/034974)
[30] US (62/375,741) 2016-08-16

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[13] A1
[51] **Int.Cl. C12M 1/26 (2006.01) C12N 5/071 (2010.01) C12M 3/06 (2006.01)**
[25] EN
[54] **A MICRO-FLUIDIC DEVICE FOR SELECTIVE SORTING OF HIGHLY MOTILE AND MORPHOLOGICALLY NORMAL SPERM FROM UNPROCESSED SEMEN**
[54] **DISPOSITIF MICROFLUIDIQUE POUR LE TRI SELECTIF DE SPERMATOZOIDES HAUTEMENT MOTILES ET MORPHOLOGIQUEMENT NORMAUX A PARTIR DE SPERME NON TRAITE**
[72] DEMIRCI, UTKAN, US
[72] TUZEL, ERKAN, US
[72] KINGSLEY, JAMES LEONARD, US
[72] CHINNASAMY, THIRUPPATHIRAJA, US
[71] THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, US
[71] WORCESTER POLYTECHNIC INSTITUTE, US
[85] 2018-06-18
[86] 2017-01-22 (PCT/US2017/014479)
[87] (WO2017/127775)
[30] US (62/286,227) 2016-01-22

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[13] A1
[51] **Int.Cl. A01J 25/06 (2006.01) B01F 7/04 (2006.01)**
[25] EN
[54] **APPARATUS FOR PRODUCING A FOOD PRODUCT**
[54] **APPAREIL DE PRODUCTION D'UN PRODUIT ALIMENTAIRE**
[72] OLSON, MICHAEL, US
[71] TETRA LAVAL HOLDINGS & FINANCE S.A., CH
[85] 2018-06-19
[86] 2016-11-17 (PCT/EP2016/078056)
[87] (WO2017/085211)
[30] SE (1551505-9) 2015-11-20

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[13] A1
[51] **Int.Cl. E01H 5/06 (2006.01)**
[25] EN
[54] **SWEEPING BLADE DEVICE WITH ADJUSTABLE BLADES**
[54] **DISPOSITIF DE LAME DE BALAYAGE AVEC LAMES REGLABLES**
[72] MICHEL, HUGO, CA
[72] BERGERON, MARCO, CA
[72] MICHEL, STEPHAN, CA
[71] USINAGE PRO24 INC., CA
[85] 2018-06-19
[86] 2017-01-26 (PCT/CA2017/050082)
[87] (WO2017/127928)
[30] US (62/287,139) 2016-01-26

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[13] A1
[51] **Int.Cl. A61B 6/02 (2006.01) A61B 6/00 (2006.01) G06T 15/06 (2011.01)**
[25] EN
[54] **MEDICAL IMAGING SYSTEM WITH A FIXED ARRAY OF X-RAY DETECTORS AND A FIXED ARRAY OF X-RAY EMITTERS FOR PRODUCING A DIGITAL 3-DIMENSIONAL IMAGE**
[54] **SYSTEME D'IMAGERIE MEDICALE AYANT UN RESEAU FIXE DE DETECTEURS DE RAYONS X ET UN RESEAU FIXE D'EMETTEURS DE RAYONS X POUR PRODUIRE UNE IMAGE NUMERIQUE TRIDIMENSIONNELLE**
[72] TRAVISH, GILL, GB
[72] HAUSER, RAPHAEL, GB
[72] PATEL, KISHAN, GB
[71] ADAPTIX LTD, GB
[85] 2018-06-13
[86] 2016-01-25 (PCT/IB2016/000637)
[87] (WO2017/130018)

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[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **IMPLANT SHAPED TO BE ADAPTED TO BONE STRUCTURE COMPRISING A BASE AND ASSOCIATED PRODUCTION METHOD**
[54] **IMPLANT FACONNE DE FACON ADAPTEE A LA STRUCTURE OSSEUSE, COMPORTANT UN SOCLE, ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] WAIZENEGGER, AXEL, DE
[72] REINAUER, FRANK, DE
[72] GELLRICH, NILS-CLAUDIUS, DE
[72] RAHLF, BJORN, DE
[71] KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG, DE
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[54] **DEVICE AND METHOD FOR PRODUCING A THREE-DIMENSIONAL ARTICLE WITH A FIBRE FEED DEVICE**
[54] **DISPOSITIF ET PROCEDE DE FABRICATION D'UN OBJET TRIDIMENSIONNEL PRESENTANT UN DISPOSITIF D'ALIMENTATION EN FIBRES**
[72] DUFFNER, EBERHARDT, DE
[72] BAUMANN, FLORIAN, DE
[71] ARBURG GMBH + CO KG, DE
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[54] **APPARATUS AND METHOD**
[54] **APPAREIL ET PROCEDE**
[72] ALI, RANA, GB
[72] WILLIAMS, DAVID JOHN ROACH, GB
[71] CASTROL LIMITED, GB
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[25] EN
[54] **BASE METAL DEWAXING CATALYST**
[54] **CATALYSEUR DE DEPARAFFINAGE A METAL DE BASE**
[72] MCCARTHY, STEPHEN J., US
[72] BAI, CHUANSHENG, US
[72] LAI, WENYIH F., US
[72] PODSIADLO, PAUL, US
[72] LONERGAN, WILLIAM W., US
[71] EXXONMOBIL RESEARCH AND ENGINEERING COMPANY, US
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[54] **APPARATUS**
[54] **APPAREIL**
[72] LAKE, TIMOTHY HUGH, GB
[71] CASTROL LIMITED, GB
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[54] **EMERGENCY SALVAGE OF A BLOWN OUT OCEANIC OIL WELL**
[54] **SAUVETAGE D'URGENCE D'UN PUITS DE PETROLE OCEANIQUE AYANT EXPLOSE**
[72] SUMATHI, PATURU, US
[71] SUMATHI, PATURU, US
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[54] **IN SITU TREATMENT OF SEED IN FURROW**
[54] **TRAITEMENT IN SITU DE SEMENCES DANS UN SILLON**
[72] MARTINM, TIMOTHY M., US
[71] FMC CORPORATION, US
[85] 2018-06-18
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[54] **MATERIAU HYDROGEL DE COLLAGENE COMPOSITE, DISPOSITIF OPHTALMIQUE IMPLANTABLE COMPRENANT UN TEL MATERIAU ET PROCEDES DE PRODUCTION DUDIT MATERIAU HYDROGEL DE COLLAGENE COMPOSITE ETDUDIT DISPOSITIF OPHTALMIQUE IMPLANTABLE**
[72] RAFAT, MEHRDAD, SE
[71] LINKOCARE LIFE SCIENCES AB, SE
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[54] **FLOOR COVERING CONTAINING THERMOPLASTIC ELASTOMER AND METHOD FOR PRODUCING SAME**
[54] **REVETEMENT DE SOL CONTENANT UN ELASTOMERE THERMOPLASTIQUE ET SON PROCEDE DE FABRICATION**
[72] ADAMETZ, PAUL, DE
[72] SCHULE, HANNA, DE
[72] KROGER, MARIO, DE
[71] NORA SYSTEMS GMBH, DE
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[54] **CONTACT LAYER WITH MINERAL BINDER COMPONENT**
[54] **COUCHE DE CONTACT AVEC COMPOSANT DE LIANT MINERAL**
[72] GOSSI, MATTHIAS, CH
[71] SIKA TECHNOLOGY AG, CH
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[54] **ACCURATE TEMPERATURE MEASUREMENT INTEGRATED DISPLAY DEVICE FOR ACCURATE TEMPERATURE-CONTROLLED FRUIT AND VEGETABLES STORAGE**
[54] **DISPOSITIF D'AFFICHAGE INTEGRE A MESURE DE TEMPERATURE PRECISE POUR STOCKAGE DE FRUITS ET LEGUMES A REGULATION DE TEMPERATURE PRECISE**
[72] CHEN, CUNKUN, CN
[72] WANG, WENSHENG, CN
[72] YU, JINZE, CN
[72] JI, HAIPENG, CN
[72] DONG, CHENGHU, CN
[72] YANG, DUNDUN, CN
[71] NATIONAL ENGINEERING AN TECHNOLOGY RESEARCH CENTER FOR PRESERVATION OF AGRICULTURAL PRODUCTS (TIANJIN), CN
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[54] **PERCEPTION SYSTEMS AND METHODS FOR IDENTIFYING AND PROCESSING A VARIETY OF OBJECTS**
[54] **SYSTEMES DE PERCEPTION ET PROCEDES D'IDENTIFICATION ET DE TRAITEMENT DE DIVERS OBJETS**
[72] WAGNER, THOMAS, US
[72] AHEARN, KEVIN, US
[72] COHEN, BENJAMIN, US
[72] DAWSON-HAGGERTY, MICHAEL, US
[72] GEYER, CHRISTOPHER, US
[72] KOLETSCHKA, THOMAS, US
[72] MARONEY, KYLE, US
[72] MASON, MATTHEW, US
[72] PRICE, GENE TEMPLE, US
[72] ROMANO, JOSEPH, US
[72] SMITH, DANIEL, US
[72] SRINIVASA, SIDDHARTHA, US
[72] VELAGAPUDI, PRASANNA, US
[72] ALLEN, THOMAS, US
[71] BERKSHIRE GREY INC., US
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[86] 2016-12-15 (PCT/US2016/066786)
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[25] EN
[54] **ARRAY OF ELECTRICAL GENERATOR UNITS**
[54] **RESEAU D'UNITES DE GENERATEUR ELECTRIQUE**
[72] SPOONER, EDWARD, GB
[72] CAWTHORNE, SIMON, IE
[71] OPENHYDRO IP LIMITED, IE
[85] 2018-06-19
[86] 2016-12-20 (PCT/EP2016/082023)
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[25] EN
[54] **GROUP OF ELECTRICAL AC GENERATORS WITH RECTIFIERS CONNECTED IN SERIES**
[54] **GROUPE DE GENERATEURS DE COURANT ELECTRIQUE ALTERNATIF A REDRESSEURS CONNECTES EN SERIE**
[72] SPOONER, EDWARD, GB
[72] CAWTHORNE, SIMON, IE
[71] OPENHYDRO IP LIMITED, IE
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[25] EN
[54] **ELECTROSURGICAL DEVICE WITH MULTIPLE MONOPOLAR ELECTRODE ASSEMBLY**
[54] **DISPOSITIF ELECTROCHIRURGICAL AVEC ENSEMBLE ELECTRODE UNIPOLAIRE MULTIPLE**
[72] PATEL, BHAVESH D., US
[72] SYLVESTER, JOSEPH, US
[72] HUBELBANK, DAVID, US
[72] POLGAR, STEPHEN R., US
[72] SIOPES, WILLIAM, US
[72] PATEL, RAJAN, US
[71] MEDTRONIC ADVANCED ENERGY LLC, US
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[86] 2016-12-16 (PCT/US2016/067101)
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[25] EN
[54] **IMPLANT FOR REINFORCING A BONE COMPRISING A BORE VECTOR SPECIFYING HOLE AND SURROUNDING PLATE FOR A JAW REPLACEMENT, AND IMPLANT PRODUCTION METHOD**
[54] **IMPLANT POUR UNE CONSOLIDATION OSSEUSE AVEC TROU PREDEFINI DE VECTEUR DE PERCAGE ET PLAQUE D'ADHESION POUR REMPLACEMENT MAXILLAIRE AINSI QUE PROCEDE DE FABRICATION D'UN IMPLANT**
[72] WAIZENEGGER, AXEL, DE
[72] REINAUER, FRANK, DE
[72] GELLRICH, NILS-CLAUDIUS, DE
[72] RANA, MAJEED, DE
[71] KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG, DE
[85] 2018-06-19
[86] 2016-12-16 (PCT/EP2016/081535)
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[30] DE (10 2015 122 793.2) 2015-12-23

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[51] **Int.Cl. B65D 77/04 (2006.01)**
[25] EN
[54] **TRANSPORTATION AND STORAGE CONTAINER FOR LIQUIDS**
[54] **CONTENANT DE TRANSPORT ET D'ENTREPOSAGE POUR LIQUIDES**
[72] SCHUTZ, UDO, DE
[71] PROTECHNA S.A., CH
[85] 2018-06-19
[86] 2016-11-17 (PCT/EP2016/077984)
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[51] **Int.Cl. F03B 13/26 (2006.01) F03B 15/00 (2006.01)**
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[54] **A HYDROELECTRIC TURBINE CONTROL SYSTEM AND METHOD**
[54] **SYSTEME DE COMMANDE DE TURBINE HYDROELECTRIQUE ET PROCEDE ASSOCIE**
[72] DOYLE, TOM, IE
[72] HARNETT, KEVIN, IE
[72] CARLISLE, ANDREW, GB
[71] OPENHYDRO IP LIMITED, IE
[85] 2018-06-19
[86] 2016-12-20 (PCT/EP2016/082027)
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[51] **Int.Cl. A24F 47/00 (2006.01)**
[25] EN
[54] **ELECTRICALLY OPERATED AEROSOL-GENERATING SYSTEM WITH TILT SENSOR**
[54] **SYSTEME DE GENERATION D'AEROSOL ACTIONNE ELECTRIQUEMENT AVEC CAPTEUR D'INCLINAISON**
[72] REEVELL, TONY, GB
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-06-19
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[25] EN
[54] **CHLORINE DIOXIDE CONTAINING MIXTURES AND CHLORINE DIOXIDE BULK TREATMENTS FOR ENHANCING OIL AND GAS RECOVERY**
[54] **MELANGES CONTENANT DU DIOXYDE DE CHLORE ET TRAITEMENTS EN VRAC AU DIOXYDE DE CHLORE POUR AMELIORER LA RECUPERATION DU PETROLE ET DU GAZ**
[72] MASON, JOHN Y., US
[72] BETTE, MADELINE C., US
[72] BETTE, KEVIN M., US
[71] SABRE INTELLECTUAL PROPERTY HOLDING LLC, US
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[51] **Int.Cl. C08B 37/00 (2006.01) C08L 99/00 (2006.01)**
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[72] KERN, JEFFREY A., US
[72] FARRENBURG, CHAD, US
[71] GLAXOSMITHKLINE BIOLOGICALS SA, BE
[85] 2018-06-19
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[51] **Int.Cl. F03B 3/12 (2006.01) F03B 17/06 (2006.01)**
[25] EN
[54] **A HYDROELECTRIC TURBINE BLADE CONNECTOR**
[54] **ELEMENT D'ACCOUPLEMENT POUR AUBE DE TURBINE HYDROELECTRIQUE**
[72] MORHAN, MATTHIEU, IE
[72] DIGARD, SEBASTIEN, IE
[72] HARNETT, KEVIN, IE
[72] DOYLE, TOM, IE
[71] OPENHYDRO IP LIMITED, IE
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[86] 2016-12-20 (PCT/EP2016/082033)
[87] (WO2017/108863)
[30] EP (15202477.4) 2015-12-23

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[51] **Int.Cl. G06Q 40/04 (2012.01) G06Q 20/06 (2012.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR PROVIDING FINANCIAL DATA TO FINANCIAL INSTRUMENTS IN A DISTRIBUTED LEDGER SYSTEM**
[54] **SYSTEMES ET PROCEDES DE FOURNITURE DE DONNEES FINANCIERES A DES INSTRUMENTS FINANCIERS DANS UN SYSTEME DE REGISTRE DISTRIBUE**
[72] NUGENT, TIM, CH
[71] THOMSON REUTERS GLOBAL RESOURCES UNLIMITED COMPANY, CH
[85] 2018-06-19
[86] 2017-03-30 (PCT/IB2017/051834)
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[51] **Int.Cl. B65D 85/10 (2006.01) B65D 5/42 (2006.01)**
[25] EN
[54] **PACKAGE FOR TOBACCO PRODUCTS, INCLUDING A RFID TAG**
[54] **EMBALLAGE POUR PRODUITS DE TABAC, COMPRENANT UNE ETIQUETTE RFID**
[72] NOVAK, SLAVOMIR, DE
[71] REEMTSMA CIGARETTENFABRIKEN GMBH, DE
[85] 2018-06-19
[86] 2017-01-05 (PCT/EP2017/050171)
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[30] EP (16150634.0) 2016-01-08

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[25] EN
[54] **MEANS AND METHODS FOR TREATING HERPESVIRUS INFECTION**
[54] **MOYENS ET METHODES POUR TRAITER UNE INFECTION PAR LE VIRUS DE L'HERPES**
[72] HAMMERSCHMIDT, WOLFGANG, DE
[72] ZEIDLER, REINHARD, DE
[72] PICH, DAGMAR, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
[85] 2018-06-19
[86] 2017-02-28 (PCT/EP2017/054615)
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[30] LU (93002) 2016-03-17

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[51] **Int.Cl. F04C 2/324 (2006.01) F01M 1/02 (2006.01) F04C 14/06 (2006.01)**
[25] EN
[54] **VANE PUMP WITH ONE OR MORE LESS RESTRICTED VANES**
[54] **POMPE A PALETTES AYANT UNE OU PLUSIEURS PALETTES MOINS RESTREINTES**
[72] MORTON, PAUL, CA
[71] STACKPOLE INTERNATIONAL ENGINEERED PRODUCTS, LTD., CA
[85] 2018-06-19
[86] 2017-12-08 (PCT/IB2017/057752)
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[25] EN
[54] **HIGH STRENGTH STEEL SHEET HAVING EXCELLENT FORMABILITY AND A METHOD OF MANUFACTURING THE SAME**
[54] **TOLE D'ACIER A HAUTE RESISTANCE PRESENTANT UNE EXCELLENTE APTITUDE AU FORMAGE ET PROCEDE DE FABRICATION DE CELLE-CI**
[72] UTA, ELENA, FR
[72] HEBERT, VERONIQUE, FR
[71] ARCELORMITTAL, LU
[85] 2018-06-19
[86] 2017-01-17 (PCT/IB2017/000018)
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[30] IB (PCT/IB2016/000024) 2016-01-18

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[25] EN
[54] **CARTRIDGE COMPRISING MULTIPLE VAPORIZER ASSEMBLIES FOR AN ELECTRONIC VAPING DEVICE**
[54] **CARTOUCHE COMPRENANT DE MULTIPLES ENSEMBLES VAPORISATEUR ET DESTINEE A UNE CIGARETTE ELECTRONIQUE**
[72] ROSTAMI, ALI, US
[72] TUCKER, CHRISTOPHER S., US
[72] KANE, DAVID, US
[72] LIPOWICZ, PETER, US
[72] KARLES, GEORGE, US
[72] KOBAL, GERD, US
[72] PITHAWALLA, YEZDI, US
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-06-19
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[25] EN
[54] **LIPOSOMES FOR TREATMENT OF AN AUTOIMMUNE DISEASE**
[54] **LIPOSOMES POUR TRAITER UNE MALADIE AUTO-IMMUNE**
[72] BARU, MOSHE, IL
[71] MB BIOTECH LTD., IL
[85] 2018-06-19
[86] 2016-12-27 (PCT/IL2016/051383)
[87] (WO2017/115358)
[30] US (62/271,355) 2015-12-28
[30] US (62/295,080) 2016-02-14

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[51] **Int.Cl. B65D 51/28 (2006.01)**
[25] EN
[54] **INGREDIENT SUPPLY SYSTEM FOR DISPENSING AN INGREDIENT INTO A CONTAINER**
[54] **SYSTEME D'ALIMENTATION EN INGREDIENT POUR DISTRIBUER UN INGREDIENT DANS UN CONTENANT**
[72] BENTKOVSKI, YAKOV, IL
[71] WATERIO LTD., IL
[85] 2018-06-19
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[30] US (14/985,494) 2015-12-31

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[25] EN
[54] **REFUELLING ARRANGEMENT**
[54] **AGENCEMENT DE RAVITAILLEMENT EN CARBURANT**
[72] MATTOS, ALEXANDER, GB
[72] UHRMACHER, STEVEN, GB
[72] HOLMES, ROBERT, GB
[71] I6 GROUP LIMITED, GB
[85] 2018-06-19
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[51] **Int.Cl. F03G 7/04 (2006.01)**
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[54] **POWER GENERATION USING LIQUIDS WITH DIFFERENT VAPOUR PRESSURES**
[54] **PRODUCTION D'ENERGIE UTILISANT DES LIQUIDES A PRESSIONS DE VAPEUR DIFFERENTES**
[72] HALLOY, GUILLAUME, BE
[72] HALLOY, ELISE, ES
[72] HALLOY, LOUIS, BE
[72] HALLOY, HELENE, BE
[71] DELTA DRIVEN 24 SPRL, BE
[85] 2018-06-19
[86] 2016-12-23 (PCT/EP2016/082524)
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[25] EN
[54] **PLASMID CONSTRUCTS FOR HETEROLOGOUS PROTEIN EXPRESSION AND METHODS OF USE**
[54] **CONSTRUCTIONS PLASMIDIQUES POUR L'EXPRESSION DE PROTEINES HETEROLOGUES ET LEURS PROCEDES D'UTILISATION**
[72] CAMPBELL, JEAN, US
[72] CANTON, DAVID A., US
[72] PIERCE, ROBERT H., US
[71] ONCOSEC MEDICAL INCORPORATED, US
[85] 2018-06-18
[86] 2016-12-16 (PCT/US2016/067388)
[87] (WO2017/106795)
[30] US (62/269,702) 2015-12-18
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[51] **Int.Cl. E21B 43/10 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **DETERMINING WELLBORE PROPERTIES WITH AN OPTIC FIBRE WHILE LOWERING A CASING**
[54] **DETERMINATION DE PROPRIETES DE PUITS DE FORAGE A L'AIDE D'UNE FIBRE OPTIQUE TOUT EN ABAISSANT UN TUBAGE**
[72] BOONE, KEVIN, GB
[71] OPTASENSE HOLDINGS LIMITED, GB
[85] 2018-06-19
[86] 2016-12-19 (PCT/GB2016/053984)
[87] (WO2017/109467)
[30] GB (1522713.5) 2015-12-23

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[51] **Int.Cl. G01N 27/06 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **METHODS FOR MEASURING CONDUCTIVITY OF NON-AQUEOUS LIQUIDS AT VARIABLE TEMPERATURES AND APPLIED VOLTAGES**
[54] **PROCEDES PERMETTANT DE MESURER LA CONDUCTIVITE DE LIQUIDES NON AQUEUX A DES TEMPERATURES VARIABLES ET A DES TENSIONS APPLIQUEES**
[72] ADAMSKI, ROBERT PAUL, US
[72] KINI, GAUTAM CHANDRAKANTH, US
[72] PENNINGTON, RODNEY TRUMAN, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-06-18
[86] 2016-12-19 (PCT/US2016/067440)
[87] (WO2017/112566)
[30] US (62/270,630) 2015-12-22

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[25] EN
[54] **TURRET SIMULATION METHOD AND DEVICE**
[54] **PROCEDE ET DISPOSITIF DE SIMULATION DE TOURELLE**
[72] CLERMONT, BERNARD, BE
[72] BALTHASART, PIERRE, BE
[72] BASTIAENS, PATRICE, BE
[71] CMI DEFENCE S.A., BE
[85] 2018-06-19
[86] 2016-12-16 (PCT/EP2016/081552)
[87] (WO2017/114671)
[30] BE (2015/5852) 2015-12-30

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[51] **Int.Cl. G01N 27/06 (2006.01) G01N 33/28 (2006.01)**
[25] EN
[54] **APPARATUS TO MEASURE CONDUCTIVITY OF NON-AQUEOUS LIQUIDS AT VARIABLE TEMPERATURES AND APPLIED VOLTAGES**
[54] **APPAREIL POUR MESURER LA CONDUCTIVITE DE LIQUIDES NON AQUEUX A DES TEMPERATURES ET DES TENSIONS APPLIQUEES VARIABLES**
[72] PENNINGTON, RODNEY TRUMAN, US
[72] ADAMSKI, ROBERT PAUL, US
[72] KINI, GAUTAM CHANDRAKANTH, US
[72] OLIVACCE, RONALD ARTHUR, US
[71] SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., NL
[85] 2018-06-18
[86] 2016-12-19 (PCT/US2016/067445)
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[30] US (62/270,621) 2015-12-22

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[25] EN
[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE**
[72] SHIOMI, TAKESHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-06-19
[86] 2016-11-25 (PCT/JP2016/085078)
[87] (WO2017/110367)
[30] JP (2015-253887) 2015-12-25

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[51] **Int.Cl. C08G 69/48 (2006.01) A61K 47/50 (2017.01) A61K 31/282 (2006.01) A61K 31/555 (2006.01) A61P 35/00 (2006.01) C08G 65/334 (2006.01) C08G 69/08 (2006.01) C08G 81/00 (2006.01)**
[25] EN
[54] **POLYMER CONJUGATE OF SULFOXIDE DERIVATIVE-COORDINATED PLATINUM(II) COMPLEX**
[54] **CONJUGUE POLYMERE A BASE D'UN COMPLEXE DE PLATINE (II) COORDONNE A UN DERIVE DE SULFOXYDE**
[72] NAKAMURA, MASAHARU, JP
[72] FUKUDA, TSUYOSHI, JP
[72] YAMAKAWA, KEN, JP
[72] KATO, TAKUYA, JP
[71] NIPPON KAYAKU KABUSHIKI KAISHA, JP
[85] 2018-06-19
[86] 2016-12-16 (PCT/JP2016/087521)
[87] (WO2017/110669)
[30] JP (2015-250255) 2015-12-22

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[51] **Int.Cl. C07D 205/04 (2006.01) C12N 15/113 (2010.01) A61K 31/397 (2006.01) A61K 31/40 (2006.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 43/00 (2006.01)**
[25] EN
[54] **COMPOUND AS CATIONIC LIPID**
[54] **COMPOSES UTILISES COMME LIPIDES CATIONIQUES**
[72] HOSOE, SHINTARO, JP
[72] NAOI, TOMOYUKI, JP
[71] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2018-06-19
[86] 2016-12-26 (PCT/JP2016/088751)
[87] (WO2017/111172)
[30] JP (2015-254113) 2015-12-25

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[25] EN
[54] **EMULSION CONCENTRATES OF LIPOPHILIC COMPOUNDS**
[54] **CONCENTRES D'EMULSION DE COMPOSES LIPOPHILES**
[72] PERIS, GORKA, DE
[71] BAYER CROPSCIENCE AKTIENGESELLSCHAFT, DE
[85] 2018-06-19
[86] 2016-12-19 (PCT/EP2016/081671)
[87] (WO2017/108662)
[30] EP (15201870.1) 2015-12-22

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[51] **Int.Cl. C22C 38/00 (2006.01) C21D 8/02 (2006.01) C21D 9/46 (2006.01) C22C 38/38 (2006.01) C22C 38/58 (2006.01)**
[25] EN
[54] **HOT-ROLLED NB-CONTAINING FERRITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING SAME, AND COLD-ROLLED NB-CONTAINING FERRITIC STAINLESS STEEL SHEET AND METHOD FOR PRODUCING SAME**
[54] **TOLE D'ACIER INOXYDABLE FERRITIQUE CONTENANT DU NB LAMINEE A CHAUD ET SON PROCEDE DE FABRICATION ET TOLE D'ACIER INOXYDABLE FERRITIQUE CONTENANT DU NB LAMINEE A FROID ET SON PROCEDE DE FABRICATION**
[72] YAKUSHIJIN, YUTAKA, JP
[72] HIRONAKA, AKIRA, JP
[72] IMAKAWA, KAZUNARI, JP
[71] NISSHIN STEEL CO., LTD., JP
[85] 2018-06-19
[86] 2017-01-31 (PCT/JP2017/003379)
[87] (WO2017/135240)
[30] JP (2016-017883) 2016-02-02

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[13] A1
[51] **Int.Cl. B32B 13/14 (2006.01) B32B 5/02 (2006.01) B32B 13/02 (2006.01) B32B 13/08 (2006.01) B32B 13/12 (2006.01) B32B 27/06 (2006.01) B32B 27/30 (2006.01) B32B 27/32 (2006.01) E04B 1/86 (2006.01) E04C 2/04 (2006.01)**
[25] FR
[54] **PLASTER-BASED ACOUSTIC BOARD**
[54] **PLAQUE ACOUSTIQUE A BASE DE PLATRE**
[72] CHUDA, KATARZYNA, FR
[72] DEMATHIEU-ROELTGEN, CAROLINE, FR
[72] CHOPIN, VERONIQUE, FR
[71] SAINT-GOBAIN PLACO, FR
[85] 2018-06-18
[86] 2017-01-11 (PCT/FR2017/050057)
[87] (WO2017/121954)
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[25] EN
[54] **GARLIC COMPOSITIONS**
[54] **COMPOSITIONS A BASE D'AIL**
[72] PENG, LI VERN, MY
[72] DE COSTA, PATRICIA, MY
[72] BEAH, ZHI MING, MY
[72] LAU, KIAN GIAP, MY
[71] INQPHARM GROUP SDN BHD, MY
[85] 2018-06-19
[86] 2017-01-06 (PCT/MY2017/000002)
[87] (WO2017/119808)
[30] MY (PI 2016700060) 2016-01-08

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[13] A1
[51] **Int.Cl. H02J 3/36 (2006.01) H02J 3/38 (2006.01)**
[25] EN
[54] **ELECTRICAL GENERATOR UNIT**
[54] **GROUPE DE GENERATEURS DE COURANT ELECTRIQUE ALTERNATIF DOTES DE REDRESSEURS CONNECTES EN SERIE**
[72] SPOONER, EDWARD, GB
[72] CAWTHORNE, SIMON, IE
[71] OPENHYDRO IP LIMITED, IE
[85] 2018-06-19
[86] 2016-12-20 (PCT/EP2016/082007)
[87] (WO2017/114696)
[30] EP (15203191.0) 2015-12-30

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[51] **Int.Cl. C22C 38/14 (2006.01) C21D 8/02 (2006.01) C22C 38/02 (2006.01) C22C 38/04 (2006.01) C22C 38/06 (2006.01) C22C 38/08 (2006.01) C22C 38/12 (2006.01)**
[25] EN
[54] **LOW-YIELD RATIO AND HIGH-STRENGTH STEEL HAVING EXCELLENT STRESS CORROSION CRACKING RESISTANCE AND LOW TEMPERATURE TOUGHNESS**
[54] **ACIER A HAUTE RESISTANCE ET A FAIBLE TAUX D'ELASTICITE PRESENTANT UNE EXCELLENTE RESISTANCE A LA FISSURATION PAR CORROSION SOUS CONTRAINTE ET UNE EXCELLENTE TENACITE A BASSE TEMPERATURE**
[72] JANG, SUNG-HO, KR
[72] LEE, HAK-CHEOL, KR
[71] POSCO, KR
[85] 2018-06-19
[86] 2016-12-23 (PCT/KR2016/015156)
[87] (WO2017/111526)
[30] KR (10-2015-0185496) 2015-12-23

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[51] **Int.Cl. B01D 53/58 (2006.01) C05C 1/00 (2006.01)**
[25] EN
[54] **UREA AMMONIUM NITRATE PRODUCTION**
[54] **PRODUCTION DE NITRATE D'AMMONIUM-UREE**
[72] PUCI, GIUSY ELISA, NL
[72] DOBREE, JOEY, NL
[71] STAMICARBON B.V., NL
[85] 2018-06-19
[86] 2016-12-21 (PCT/NL2016/050902)
[87] (WO2017/111585)
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[51] **Int.Cl. A23L 33/00 (2016.01) A23L 33/17 (2016.01)**
[25] EN
[54] **HIGH PROTEIN NUTRITIONAL PRODUCT**
[54] **PRODUIT NUTRITIONNEL RICHE EN PROTEINE**
[72] PRINS, MARJANNA, NL
[72] OVERBEEKE, NICOLAAS, NL
[71] ORGANEXT LIFE SCIENCE B.V., NL
[85] 2018-06-19
[86] 2016-12-23 (PCT/NL2016/050922)
[87] (WO2017/111604)
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[51] **Int.Cl. F28D 9/00 (2006.01)**
[25] EN
[54] **HEAT EXCHANGER**
[54] **ECHANGEUR DE CHALEUR**
[72] VAN KASTEREN, MARINUS HENRICUS JOHANNES, NL
[71] RECAIR HOLDING B.V., NL
[85] 2018-06-19
[86] 2016-10-05 (PCT/NL2016/050687)
[87] (WO2017/111578)
[30] NL (2015996) 2015-12-21

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[13] A1
[51] **Int.Cl. C08J 9/14 (2006.01) B32B 5/18 (2006.01) B32B 27/06 (2006.01) B32B 27/40 (2006.01) C08G 18/09 (2006.01) E04B 1/76 (2006.01) E04C 2/20 (2006.01)**
[25] EN
[54] **METHODS FOR DESIGNING POLYISOCYANURATE FOAM-FORMING COMPOSITIONS, RELATED POLYISOCYANURATE FOAM-FORMING COMPOSITIONS, AND FOAMS PRODUCED THEREBY**
[54] **PROCEDES DE CONCEPTION DE COMPOSITIONS FORMANT UNE MOUSSE DE POLYISOCYANURATE, COMPOSITIONS ASSOCIEES FORMANT UNE MOUSSE DE POLYISOCYANURATE, ET MOUSSES AINSI OBTENUES**
[72] COMBS, GEORGE, US
[72] PHELAN, GERALD W., US
[71] COVESTRO LLC, US
[85] 2018-06-18
[86] 2016-12-19 (PCT/US2016/067479)
[87] (WO2017/112577)
[30] US (14/976,650) 2015-12-21

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[51] **Int.Cl. A61L 9/01 (2006.01) B01D 53/84 (2006.01) B60H 3/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **COMPOSITION FOR PREVENTING ODOR, CONTAINING ODORLESS MICROORGANISMS**
[54] **COMPOSITION ANTI-ODEURS CONTENANT DES MICRO-ORGANISMES INODORES**
[72] PARK, SO YOON, KR
[72] LEE, TAE HEE, KR
[72] KIM, JI WAN, KR
[72] YOON, KI YOUNG, KR
[71] HYUNDAI MOTOR COMPANY, KR
[85] 2018-06-19
[86] 2016-12-29 (PCT/KR2016/015473)
[87] (WO2017/116161)
[30] KR (10-2015-0188550) 2015-12-29
[30] KR (10-2015-0188615) 2015-12-29
[30] KR (10-2015-0188609) 2015-12-29
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[51] **Int.Cl. C07C 1/20 (2006.01) B01J 21/06 (2006.01) B01J 29/42 (2006.01) B01J 29/85 (2006.01) B01J 21/02 (2006.01) B01J 21/10 (2006.01)**
[25] EN
[54] **CONVERSION OF ALCOHOLS TO HYDROCARBONS USING A DUAL CATALYST SYSTEM COMPRISING BASIC OXIDE ON MIXED OXIDE OR MESOPOROUS CARRIER AND ETCHED METAL LOADED ZEOLITE CATALYST**
[54] **CONVERSION D'ALCOOLS EN HYDROCARBURES A L'AIDE D'UN SYSTEME CATALYTIQUE DOUBLE COMPRENANT UN OXYDE BASIQUE SUR UN OXYDE MIXTE OU UN SUPPORT MESOPOREUX ET CATALYSEUR ZEOLITHIQUE GRAVE CHARGE DE METAL**
[72] MIKKOLA, JYRI-PEKKA, SE
[72] SAMIKANNU, AJAIKUMAR, SE
[72] VANKLINT, KENT, SE
[72] SILJEBO, WILLIAM, SE
[71] ECO-OIL MILJOBRANSLEN I SVERIGE AB, SE
[85] 2018-06-19
[86] 2016-12-20 (PCT/SE2016/051296)
[87] (WO2017/111691)
[30] SE (1551699-0) 2015-12-22

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[51] **Int.Cl. E21B 33/12 (2006.01) E21B 23/06 (2006.01) E21B 33/128 (2006.01)**
[25] EN
[54] **RETAINING SEALING ELEMENT OF WELLBORE ISOLATION DEVICE WITH SLIP ELEMENTS**
[54] **ELEMENT D'ETANCHEITE DE RETENUE DE DISPOSITIF D'ISOLATION DE PUITS DE FORAGE AVEC ELEMENTS COULISSANTS**
[72] WALTON, ZACHARY WILLIAM, US
[72] FRIPP, MICHAEL LINLEY, US
[72] JURGENSMEIER, MICHAEL JAMES, US
[72] GANO, JOHN C., US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-06-19
[86] 2016-01-21 (PCT/US2016/014225)
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[51] **Int.Cl. E21B 7/04 (2006.01)**
[25] EN
[54] **DOWNHOLE POWER CONVERSION AND MANAGMENT USING A DYNAMICALLY ADJUSTABLE VARIABLE DISPLACEMENT PUMP**
[54] **CONVERSION ET GESTION DE LA PUISSANCE DE FOND DE TROU A L'AIDE D'UNE POMPE A CYLINDREE VARIABLE ET REGLAGE DYNAMIQUE**
[72] BARGACH, SAAD, US
[72] BONNER, STEPHEN D., US
[72] NOLD, RAYMOND V., III, US
[72] MASSEY, JAMES P., US
[72] BRUNETTI, JON A., US
[71] ISODRILL, INC., US
[85] 2018-06-19
[86] 2016-01-06 (PCT/US2016/012373)
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[51] **Int.Cl. C12Q 1/02 (2006.01) A61L 9/01 (2006.01) B60H 3/00 (2006.01) C12N 1/20 (2006.01)**
[25] EN
[54] **METHOD FOR SCREENING FOR ANTIMICROBIAL AGENT**
[54] **PROCEDE DE CRIBLAGE POUR IDENTIFIER UN AGENT ANTIMICROBIEN**
[72] PARK, SO YOON, KR
[72] LEE, TAE HEE, KR
[72] KIM, JI WAN, KR
[72] YOON, KI YOUNG, KR
[71] HYUNDAI MOTOR COMPANY, KR
[85] 2018-06-19
[86] 2016-12-29 (PCT/KR2016/015500)
[87] (WO2017/116176)
[30] KR (10-2015-0188643) 2015-12-29
[30] KR (10-2015-0188631) 2015-12-29
[30] KR (10-2015-0188680) 2015-12-29
[30] KR (10-2015-0188675) 2015-12-29
[30] KR (10-2015-0188667) 2015-12-29
[30] KR (10-2015-0188657) 2015-12-29

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[51] **Int.Cl. C07J 9/00 (2006.01) A61K 31/575 (2006.01) A61P 1/16 (2006.01) C07J 17/00 (2006.01) C07J 51/00 (2006.01)**
[25] EN
[54] **POLYMORPHIC CRYSTALLINE FORMS OF OBETICHOLIC ACID**
[54] **FORMES CRISTALLINES POLYMORPHES DE L'ACIDE OBETICHOLIQUE**
[72] STEINER, ANDRE, DE
[72] WAENERLUND POULSEN, HEIDI, DK
[72] JOLIBOIS, EMILIE, GB
[72] REWOLINSKI, MELISSA, US
[72] GROSS, RALF, DE
[72] SHARP, EMMA, GB
[72] DUBAS-FISHER, FIONA, GB
[72] EBERLIN, ALEX, GB
[71] INTERCEPT PHARMACEUTICALS, INC., US
[85] 2018-06-19
[86] 2016-01-08 (PCT/US2016/012651)
[87] (WO2017/111979)
[30] US (14/979,005) 2015-12-22

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[51] **Int.Cl. B01J 20/06 (2006.01) B01J 20/28 (2006.01) B01J 20/30 (2006.01) C01G 49/02 (2006.01) C02F 1/28 (2006.01)**
[25] EN
[54] **ABSORBENT PARTICLES**
[54] **PARTICULES ABSORBANTES**
[72] HIROKAWA, TOSHIYASU, JP
[72] NOISHIKI, TSUYOSHI, JP
[72] KIMURA, NOBUO, JP
[72] AMAIKE, MASATO, JP
[72] TAKAHASHI, YUKIKO, JP
[71] NIPPON SODA CO., LTD., JP
[71] TAKAHASHI METAL INDUSTRIES CO., LTD., JP
[85] 2018-06-19
[86] 2016-12-19 (PCT/JP2016/087765)
[87] (WO2017/110736)
[30] JP (2015-253717) 2015-12-25

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[13] A1
[51] **Int.Cl. H04R 1/10 (2006.01)**
[25] EN
[54] **INTERCHANGABLE EAR CUPS FOR HEADPHONES**
[54] **CACHE-OREILLES ANTIBRUIT INTERCHANGEABLES POUR DES CASQUES D'ECOUTE**
[72] HARDI, JASON, US
[72] WHITE, ERIC GREGORY, US
[71] MUZIK LLC, US
[85] 2018-06-19
[86] 2016-09-22 (PCT/US2016/053124)
[87] (WO2017/053575)
[30] US (62/221,983) 2015-09-22

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[13] A1
[51] **Int.Cl. A61K 31/397 (2006.01) A61K 9/20 (2006.01) A61K 9/28 (2006.01) A61K 47/12 (2006.01) A61K 47/26 (2006.01) A61K 47/32 (2006.01) A61K 47/38 (2006.01) A61P 25/00 (2006.01)**
[25] EN
[54] **TABLET COMPRISING 1-(3-(2-(1-BENZOTHIOPHEN-5-YL)ETHOXY)PROPYL)AZETIDIN-3-OL OR SALT THEREOF**
[54] **COMPRIME COMPRENANT DU 1-(3-(2-(1-BENZOTHIOPHEN-5-YL)ETHOXY)PROPYL)AZETIDIN-3-OL OU UN SEL DE CELUI-CI**
[72] KANO, ATSUSHI, JP
[72] INABA, HIROYUKI, JP
[72] OURA, TAI, JP
[71] TOYAMA CHEMICAL CO., LTD., JP
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[87] (WO2017/111005)
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[51] **Int.Cl. C12N 5/07 (2010.01) C12N 5/0789 (2010.01) C12Q 1/08 (2006.01)**
[25] EN
[54] **METHODS TO GENERATE GASTROINTESTINAL EPITHELIAL TISSUE CONSTRUCTS**
[54] **PROCEDES POUR GENERER DES CONSTRUCTIONS DE TISSU EPITHELIAL GASTRO-INTESTINAL**
[72] ALLBRITTON, NANCY, US
[72] WANG, YULI, US
[72] SIMS, CHRISTOPHER, US
[72] MAGNESS, SCOTT, US
[72] BULTMAN, SCOTT, US
[71] THE UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, US
[85] 2018-06-19
[86] 2016-01-29 (PCT/US2016/015631)
[87] (WO2016/123474)
[30] US (62/110,147) 2015-01-30

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[51] **Int.Cl. C12N 15/117 (2010.01) A61K 31/7088 (2006.01) A61P 37/02 (2006.01)**
[25] EN
[54] **TLR INHIBITORY OLIGONUCLEOTIDES AND THEIR USE**
[54] **OLIGONUCLEOTIDES INHIBITEURS DE TLR ET LEUR UTILISATION**
[72] ESASHI, EIJI, JP
[72] ISHIDA, KOJI, JP
[72] HOSOZAWA, TAKUMI, JP
[72] OKUYAMA, MEGUMI, JP
[72] KOTAKI, AYUMI, JP
[71] SBI BIOTECH CO., LTD., JP
[85] 2018-06-19
[86] 2016-12-22 (PCT/JP2016/088418)
[87] (WO2017/111045)
[30] JP (2015-255008) 2015-12-25

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[25] EN
[54] **GLASS FURNACE WITH IMPROVED PRODUCTION RATE**
[54] **FOUR DE VERRERIE PRESENTANT UN MEILLEUR TAUX DE PRODUCTION**
[72] KOBAYASHI, HISASHI, US
[71] PRAXAIR TECHNOLOGY, INC., US
[85] 2018-06-19
[86] 2016-12-20 (PCT/US2016/067778)
[87] (WO2017/112671)
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[25] EN
[54] **CART AND DOLLY HANDLE WITH STACKING POSITION**
[54] **CHARIOT ET POIGNEE DE DIABLE PRESENTANT UNE POSITION D'EMPILEMENT**
[72] NUSSBAUM, ROBERT GUY, US
[72] THOMPSON, BENJAMIN JOEL, US
[72] HOWE, STEPHEN ROLAND, US
[71] ORBIS CORPORATION, US
[85] 2018-06-19
[86] 2016-12-13 (PCT/US2016/066297)
[87] (WO2017/116682)
[30] US (62/273,061) 2015-12-30
[30] US (62/273,829) 2015-12-31
[30] US (15/375,815) 2016-12-12

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[25] EN
[54] **IDENTIFYING ENTITIES USING A DEEP-LEARNING MODEL**
[54] **IDENTIFICATION D'ENTITES AU MOYEN D'UN MODELE D'APPRENTISSAGE EN PROFONDEUR**
[72] WESTON, JASON E., US
[72] ADAMS, KEITH, US
[72] CHOPRA, SUMIT, US
[71] FACEBOOK, INC., US
[85] 2018-06-19
[86] 2016-02-18 (PCT/US2016/018367)
[87] (WO2017/116488)
[30] US (14/984,956) 2015-12-30

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[54] **ROTARY STEERABLE DRILLING TOOL**
[54] **OUTIL DE FORAGE ORIENTABLE ROTATIF**
[72] BARGACH, SAAD, US
[72] BONNER, STEPHEN D., US
[72] NOLD, RAYMOND V., III, US
[72] MASSEY, JAMES P., US
[72] BRUNETTI, JON A., US
[71] ISODRILL, INC., US
[85] 2018-06-19
[86] 2016-01-06 (PCT/US2016/012361)
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[25] EN
[54] **.ALPHA.,.BETA.-UNSATURATED AMIDE COMPOUND**
[54] **COMPOSE AMIDE A, S INSATURE**
[72] DANJO, TOMOHIRO, JP
[72] FUJIWARA, KATSUAKI, JP
[72] NISHIKAWA, TOMOYUKI, JP
[72] NAKAJIMA, TAKAHIRO, JP
[72] OTSUBO, NOBUMASA, JP
[72] SEIKE, TOSHIHIRO, JP
[71] KYOWA HAKKO KIRIN CO., LTD., JP
[85] 2018-06-19
[86] 2016-12-22 (PCT/JP2016/088476)
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[25] EN
[54] **NANOFIBRIL CELLULOSE ADDITIVE**
[54] **ADDITIF A BASE DE NANOFIBRILLES DE CELLULOSE**
[72] PEARL, WILLIAM CECIL, JR., US
[72] LEWIS, SAMUEL J., US
[72] SODHI, THOMAS SINGH, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-06-19
[86] 2016-02-23 (PCT/US2016/019162)
[87] (WO2017/146687)

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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **COMBINATION OF ANTI-PD-1 ANTIBODIES AND BISPECIFIC ANTI-CD20/ANTI-CD3 ANTIBODIES TO TREAT CANCER**
[54] **COMBINAISON D'ANTICORPS ANTI-PD-1 ET D'ANTICORPS BISPECIFIQUES ANTI-CD20/ANTI-CD3 POUR TRAITER LE CANCER**
[72] VARGHESE, BINDU, US
[72] THURSTON, GAVIN, US
[72] LOWY, ISRAEL, US
[72] BROWNSTEIN, CARRIE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2018-06-19
[86] 2016-12-21 (PCT/US2016/068030)
[87] (WO2017/112775)
[30] US (62/270,749) 2015-12-22

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[25] EN
[54] **DRILLING RIG GAS TRAP TESTING**
[54] **TEST DE PIEGE A GAZ D'INSTALLATION DE FORAGE**
[72] YOUNG, MARTIN STRACHAN, GB
[71] HALLIBURTON ENERGY SERVICES,INC., US
[85] 2018-06-19
[86] 2016-01-25 (PCT/US2016/014663)
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[51] **Int.Cl. C09K 8/60 (2006.01) C09K 8/70 (2006.01) C09K 8/92 (2006.01)**
[25] EN
[54] **MULTIFUNCTIONAL SOLID PARTICULATE DIVERTING AGENT**
[54] **AGENT DE DEVIATION PARTICULAIRE SOLIDE MULTIFONCTIONNEL**
[72] BEUTERBAUGH, AARON M., US
[72] REYES, ENRIQUE ANTONIO, US
[71] HALLIBURTON ENERGY SERVICES, INC., US
[85] 2018-06-19
[86] 2016-03-29 (PCT/US2016/024762)
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[51] **Int.Cl. F16L 3/04 (2006.01) E04F 15/18 (2006.01) F16L 3/26 (2006.01) F24D 13/02 (2006.01) H02G 3/38 (2006.01) H05B 3/56 (2006.01)**
[25] EN
[54] **FLOOR UNDERLAYMENT FOR RETAINING HEATER CABLE**
[54] **SOUS-COUCHE DE REVETEMENT DE SOL RETENANT UN CABLE CHAUFFANT**
[72] LIANG, YU FAN, CA
[72] PRETORIUS, PETE, CA
[71] NVENT SERVICES GMBH, SE
[85] 2018-06-18
[86] 2016-12-19 (PCT/US2016/067590)
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[25] EN
[54] **FRUIT CHEW SUPPLEMENTS**
[54] **COMPLEMENTS DE FRUITS A MACHER**
[72] MANTIUS, HAROLD L., US
[72] BLUNDELL, MIN, US
[71] OCEAN SPRAY CRANBERRIES, INC., US
[85] 2018-06-19
[86] 2016-12-21 (PCT/US2016/068053)
[87] (WO2017/112783)
[30] US (62/387,311) 2015-12-23
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[51] **Int.Cl. G06F 9/44 (2018.01) G06F 15/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CREATING AND MANAGING CONTROLLER BASED REMOTE SOLUTIONS**
[54] **PROCEDE ET APPAREIL POUR CREER ET GERER DES SOLUTIONS DISTANTES A BASE DE CONTROLEUR**
[72] CHANDARIA, TRISALA, US
[72] LEONELLI, JEAN-BAPTISTE, FR
[71] CIAMBELLA LTD., VG
[85] 2018-06-19
[86] 2016-12-21 (PCT/US2016/067944)
[87] (WO2017/112735)
[30] US (62/270,107) 2015-12-21
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[51] **Int.Cl. E21B 33/13 (2006.01) E21B 33/14 (2006.01) E21B 47/12 (2012.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR THE DETECTION AND TRANSMISSION OF DOWNHOLE FLUID STATUS**
[54] **SYSTEME ET PROCEDE DE DETECTION ET DE TRANSMISSION D'UN STATUT DE FLUIDE DE FOND DE TROU**
[72] GAO, LI, US
[72] CUELLO JIMENEZ, WALMY, US
[72] SINGH, JOHN P., US
[72] RAVI, KRIS, US
[72] TRAN, THANH T., US
[71] HALLIBURTON ENERGY SERVICES,INC., US
[85] 2018-06-19
[86] 2016-03-09 (PCT/US2016/021591)
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[25] EN
[54] **METALWORKING FLUID**
[54] **FLUIDE UTILISE DANS LE TRAVAIL DES METAUX**
[72] KIRSCH, GABRIEL J., US
[71] HENKEL AG & CO. KGAA, DE
[85] 2018-06-19
[86] 2016-11-09 (PCT/US2016/061051)
[87] (WO2017/112113)
[30] US (62/270,101) 2015-12-21

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[51] **Int.Cl. C07D 471/04 (2006.01)**
[25] EN
[54] **SYNTHETIC METHODS FOR PREPARATION OF (S)-(2R,3R,11BR)-3-ISOBUTYL-9,10-DIMETHOXY-2,3,4,6,7,11B-HEXAHYDRO-1H-PYRIDO[2,1-A]ISOQUINOLIN-2-YL 2-AMINO-3-METHYLBUTANOATE DI(4-METHYLBENZENESULFONATE)**
[54] **PROCEDES DE SYNTHESE POUR LA PREPARATION DE DI(4-METHYLBENZENESULFONATE) DE 2-AMINO-3-METHYLBUTANOATE DE (S)-(2R,3R,11BR)-3-ISOBUTYL-9,10-DIMETHOXY-2,3,4,6,7,11B-HEXAHYDRO-1H-PYRIDO[2,1-A]ISOQUINOLEIN-2-YL**
[72] MCGEE, KEVIN, US
[72] LI, BIN-FENG, CN
[71] NEUROCRINE BIOSCIENCES, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068277)
[87] (WO2017/112857)
[30] US (62/387,442) 2015-12-23

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[51] **Int.Cl. B28B 7/36 (2006.01) B29C 39/00 (2006.01) E04B 2/84 (2006.01) E04F 21/04 (2006.01) E04G 9/10 (2006.01)**
[25] EN
[54] **FORMLINER FOR FORMING A PATTERN IN CURABLE MATERIAL AND METHOD OF USE**
[54] **REVETEMENT DE MOULE POUR FORMER UN MOTIF DANS UN MATERIAU DURCISSABLE ET PROCEDE D'UTILISATION**
[72] FITZGERALD, EDWARD DANIEL, US
[72] SHEEHAN, BRIAN EUGENE, US
[71] PRIME FORMING & CONSTRUCTION SUPPLIES, INC., DBA FITZGERALD FORMLINERS, US
[85] 2018-06-19
[86] 2016-06-09 (PCT/US2016/036598)
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[30] US (62/272,021) 2015-12-28

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[51] **Int.Cl. A61K 35/12 (2015.01) C12N 5/0783 (2010.01) A61P 35/00 (2006.01)**
[25] EN
[54] **IN VIVO PRIMING OF NATURAL KILLER CELLS**
[54] **AMORCAGE IN VIVO DE CELLULES TUEUSES NATURELLES**
[72] TESI, RAYMOND J., US
[72] MOSS, DAVID, US
[71] IMMUNE VENTURES, LLC, US
[85] 2018-06-19
[86] 2016-11-14 (PCT/US2016/061835)
[87] (WO2017/049327)
[30] US (62/219,652) 2015-09-16
[30] US (62/263,951) 2015-12-07

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[51] **Int.Cl. H04L 29/06 (2006.01) H04N 21/4402 (2011.01) H04L 12/28 (2006.01)**
[25] EN
[54] **PERIPHERAL BUS VIDEO COMMUNICATION USING INTERNET PROTOCOL**
[54] **COMMUNICATION VIDEO A BUS PERIPHERIQUE AU MOYEN DE PROTOCOLE INTERNET**
[72] PRING, RYAN, US
[71] QSC, LLC, US
[85] 2018-06-19
[86] 2016-11-15 (PCT/US2016/062024)
[87] (WO2017/131842)
[30] US (15/007,080) 2016-01-26

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[51] **Int.Cl. A61F 2/00 (2006.01)**
[25] EN
[54] **DEPLOYMENT DEVICE FOR A SOFT TISSUE REPAIR PROSTHESIS**
[54] **DISPOSITIF DE DEPLOIEMENT POUR PROTHESE DE REPARATION DE TISSU MOU**
[72] FELIX, AUGUSTUS, US
[72] GRIFFIN, JEREMY, US
[72] BOWLEY, CHRIS, US
[72] CONDIDI, JOHN, US
[72] RATHBONE, DANIEL, US
[72] BACHMAN, ALAN, US
[72] PAPADOPOULOS, MARCUS STEPHEN, US
[72] GREENE, DANIEL JOSEPH, US
[71] C.R. BARD, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068323)
[87] (WO2017/116992)
[30] US (62/271,896) 2015-12-28
[30] US (62/372,525) 2016-08-09

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[51] **Int.Cl. C05F 3/00 (2006.01) A01N 25/02 (2006.01) A01N 63/02 (2006.01) A01P 21/00 (2006.01) C05G 3/02 (2006.01)**
[25] EN
[54] **FERTILIZER COMPOSITIONS FOR PLANTS AND SOILS**
[54] **COMPOSITIONS D'ENGRAIS POUR PLANTES ET SOLS**
[72] BHALLA, SUSHIL K., US
[72] HOOPER, DEVON, US
[72] LAUGHLIN, MICHAEL A., US
[72] CASASSA, JONATHAN, US
[71] ENVIROKURE, INCORPORATED, US
[85] 2018-06-18
[86] 2016-12-19 (PCT/US2016/067614)
[87] (WO2017/112605)
[30] US (62/270,009) 2015-12-20

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[51] **Int.Cl. A23C 9/12 (2006.01) A23C 9/123 (2006.01) A23C 9/13 (2006.01) A23C 11/10 (2006.01) A23C 19/09 (2006.01)**
[25] EN
[54] **SWEETENED DAIRY PRODUCTS WITH STEVIOL GLYCOSIDES AND LACTASE ENZYME**
[54] **PRODUITS LAITIERS SUCRES CONTENANT DES GLYCOSIDES DE STEVIOL ET DE L'ENZYMES LACTASE**
[72] MCCORMICK, CASEY, US
[72] HAVEKOTTE, MARGARET, US
[72] SAINT-DENIS, THIERRY, US
[71] THE DANNON COMPANY, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068331)
[87] (WO2017/112873)
[30] US (62/387,392) 2015-12-24
[30] US (62/387,393) 2015-12-24
[30] US (62/387,391) 2015-12-24
[30] US (62/387,416) 2015-12-24

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[13] A1
[51] **Int.Cl. A61K 31/4709 (2006.01)**
[25] EN
[54] **METHODS FOR TREATING IMMUNODEFICIENCY DISEASE**
[54] **METHODES POUR LE TRAITEMENT D'UNE MALADIE IMMUNODEFICIENTE**
[72] ARBEIT, ROBERT D., US
[72] RAGAN, PAULA MARIE, US
[71] X4 PHARMACEUTICALS, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068394)
[87] (WO2017/112894)
[30] US (62/271,087) 2015-12-22
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[13] A1
[51] **Int.Cl. A61B 17/34 (2006.01)**
[25] EN
[54] **VISUALLY ASSISTED ENTRY OF A VERESS NEEDLE WITH A TAPERED VIDEOSCOPE FOR MICROLAPAROSCOPY**
[54] **ENTREE VISUELLEMENT ASSISTEE D'UNE AIGUILLE DE VERESS AVEC VIDEOSCOPE CONIQUE POUR MICROLAPAROSCOPIE**
[72] SAVVOURAS, ODYSSEFS ATH., GR
[72] PAPADEMETRIOU, STEPHANOS, US
[72] KOTSEROGLOU, THEOFILOS, US
[72] HAUG, ULRICH R., US
[71] ASIMION INC., US
[85] 2018-05-24
[86] 2016-11-04 (PCT/US2016/060685)
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[30] US (14/935,325) 2015-11-06

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[51] **Int.Cl. A61L 27/44 (2006.01) A61L 27/20 (2006.01) A61L 27/22 (2006.01) A61L 27/54 (2006.01) A61L 27/60 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **DECELLULARIZED PLACENTAL MEMBRANE AND METHODS OF PREPARING AND USE THEREOF**
[54] **MEMBRANE PLACENTAIRE DECELLULARISEE ET SES PROCEDES DE PREPARATION ET D'UTILISATION**
[72] QIN, XIAOFEI, US
[72] CHEN, SILVIA, US
[72] ASCHENBACH, LINDSEY, US
[72] CHEN, JINGSONG, US
[71] LIFENET HEALTH, US
[85] 2018-06-19
[86] 2016-12-23 (PCT/US2016/068526)
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[30] US (62/387,155) 2015-12-23

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[51] **Int.Cl. C23C 4/10 (2016.01) C23C 4/01 (2016.01) B21B 27/00 (2006.01)**
[25] EN
[54] **IMPROVED THERMAL SPRAY COATINGS ONTO NON-SMOOTH SURFACES**
[54] **REVETEMENTS PAR PULVERISATION THERMIQUE PERFECTIONNES SUR DES SURFACES NON LISSES**
[72] BRENNAN, MICHAEL S., US
[72] WANG, DAMING, US
[72] KLEYMAN, ARDY, US
[71] PRAXAIR S.T. TECHNOLOGY, INC., US
[85] 2018-06-19
[86] 2016-12-16 (PCT/US2016/067199)
[87] (WO2017/112546)
[30] US (62/387,131) 2015-12-23
[30] US (15/379,652) 2016-12-15

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[51] **Int.Cl. A61N 1/30 (2006.01) A61N 1/00 (2006.01) A61N 1/02 (2006.01) A61N 1/04 (2006.01) C12N 13/00 (2006.01)**
[25] EN
[54] **ELECTROPORATION DEVICE HAVING A BATTERY PACK WITH POWER SWITCH**
[54] **DISPOSITIF D'ELECTROPORATION COMPORTANT UN BLOC DE BATTERIES AVEC INTERRUPTEUR D'ALIMENTATION**
[72] STADELMANN, BEAT, US
[72] KEMMERRER, STEPHEN, US
[71] INOVIO PHARMACEUTICALS, INC., US
[85] 2018-06-19
[86] 2016-12-22 (PCT/US2016/068413)
[87] (WO2017/112898)
[30] US (62/270,998) 2015-12-22

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[51] **Int.Cl. E21B 41/00 (2006.01) G06F 17/11 (2006.01)**
[25] EN
[54] **BOOLEAN SATISFIABILITY PROBLEM FOR DISCRETE FRACTURE NETWORK CONNECTIVITY**
[54] **PROBLEME DE SATISFAISABILITE BOOLEENNE POUR CONNECTIVITE DE RESEAU DE FRACTURES DISCRETES**
[72] HOEINK, TOBIAS, US
[71] BAKER HUGHES, A GE COMPANY, LLC, US
[85] 2018-06-19
[86] 2016-12-02 (PCT/US2016/064670)
[87] (WO2017/112387)
[30] US (14/978,794) 2015-12-22

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[13] A1
[51] **Int.Cl. A61L 2/24 (2006.01) A61L 2/10 (2006.01) A61L 2/26 (2006.01)**
[25] EN
[54] **DISINFECTING SYSTEM WITH PERFORMANCE MONITORING**
[54] **SYSTEME DE DESINFECTION AVEC SURVEILLANCE DES PERFORMANCES**
[72] DHIMAN, RAJEEV, US
[72] GRIFFIN, MICHAEL E., US
[72] ASTLE, ROBERT E., US
[72] CORMIER, MICHAEL N., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-06-19
[86] 2016-12-19 (PCT/US2016/067442)
[87] (WO2017/112568)
[30] US (62/270,861) 2015-12-22

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[72] WUCHERPFENNIG, KAI, US
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[54] **ENCAPSULATION D'ANALOGUES ULTRA-STABLES DE L'INSULINE AVEC DES POLYMERES FONDUS**
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[54] **COMPOSITIONS ALIMENTAIRES POUR ANIMAL DOMESTIQUE**
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[72] KARDOS, LORI L., US
[72] LAWRENCE, CODY W., US
[72] CHOPIN, LAMY J., III, US
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[54] **DERIVES DE 4-AMINO-2-(1H-PYRAZOLO[3,4-B]PYRIDIN-3-YL)-6-OXO-6,7-DIHYDRO-5H-PYRROLO[2,3-D]PYRIMIDINE ET DERIVES RESPECTIFS DE (1H-INDAZOL-3-YL) EN TANT QUE MODULATEURS CGMP POUR LETRAITEMENT DE MALADIES CARDIOVASCULAIRES**
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[72] CHEN, YI-HENG, US
[72] LI, GUOQING, US
[72] GARFUNKLE, JOIE, US
[72] LI, HONG, US
[72] MIAO, SHOUWU, US
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[72] DINGAL, P.C. DAVE P., US
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[72] SCHRICK, F. NEAL, US
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[54] **MODULATEURS DE L'ECTO-5 '-NUCLEOTIDASE ET LEUR UTILISATION**
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[72] KALISIAK, JAROSLAW, US
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[72] POWERS, JAY PATRICK, US
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[54] **COMPOSITIONS DE NETTOYAGE**
[72] HARDY, EUGENE, US
[72] CHENG, SHUJIANG, US
[72] NABI, ZEENAT, US
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[72] ARVANITIDOU, EVANGELIA, US
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[54] **SYSTEME DE DECHARGEMENT DE MATERIAUX EN VRAC**
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[54] **COMPOSE DE DETECTION QUOTIENTOMETRIQUE ET DISPOSITIF FABRIQUE A PARTIR DU COMPOSE**
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[72] WU, DONGHUI, US
[72] PAN, LONG, US
[72] SNEE, PRESTON TODD, US
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[54] **PRODUIT DE SUBSTITUT DE FROMAGE A FERMETE ET APTITUDE A LA FUSION AMELIOREES ET PROCEDE DE FABRICATION CORRESPONDANT**
[72] AGARWAL, SHANTANU, US
[72] CELIS, MARLENE, US
[72] HORAN, KATHRYN JEANNE, US
[72] REEVE, JONATHAN L., US
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[54] **GUIDE DE TYPE WINGUIDE ET SON PROCEDE D'UTILISATION**
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[54] **APPAREIL ET PROCEDE POUR PRODUIRE UNE CEREALE DE TYPE FLOCON SANS UTILISER D'APPAREIL DE FLOCONNAGE**
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[72] LAUBENTHAL, KEVIN J., US
[71] KELLOGG COMPANY, US
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[72] EL-KADY, MAHER F., US
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[54] **APPAREIL D'ADMINISTRATION, SYSTEME ET PROCEDES ASSOCIES**
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[54] **REPROGRAMMATION CELLULAIRE**
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[72] HAYASHIZAKI, YOSHIHIDE, JP
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[71] MONASH UNIVERSITY, AU
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[72] BASSOT, ALAIN JACQUES MICHEL, FR
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[72] ROMERO, JEAN-LOUIS, FR
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[71] HAVENTEC PTY LTD, AU
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[54] **APPAREIL DE NETTOYAGE DE SURFACE TRANSPORTABLE A LA MAIN**
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[72] CONRAD, WAYNE, CA
[72] CONRAD, NINA, CA
[72] COTTRELL, LEE M., US
[72] PETERSEN, DAVE, CA
[72] THORNE, JASON B., US
[72] UDY, ADAM, GB
[71] OMACHRON INTELLECTUAL PROPERTY INC., CA
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[54] **FUSIBLE THERMIQUE ACTIVABLE**
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[72] SCHIBLI, BENJAMIN, CH
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[54] **PROCEDE ET APPAREIL POUR MESURER UN PARAMETRE DE VISCOELASTICITE D'UN MILIEU VISCOELASTIQUE**
[72] ZHAI, FEI, CN
[72] SHAO, JINHUA, CN
[72] SUN, JIN, CN
[72] DUAN, HOULI, CN
[72] WANG, QIANG, CN
[71] WUXI HISKY MEDICAL TECHNOLOGIES CO., LTD., CN
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[54] **COMPOSITIONS NETTOYANTES**
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[72] YIN, HUIYAN, CN
[72] HARDY, EUGENE, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **MODULE SOLAIRE REFLECHISSANT LA CHALEUR**
[72] BOGELS, ERIK, BE
[72] CHRISTOPHERSON, ROY, GB
[72] ETTRIDGE, PETER, GB
[72] LOHWASSER, WOLFGANG, DE
[71] AMCOR FLEXIBLES TRANSPAC, BE
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[25] EN
[54] **WIND TURBINE BLADES AND POTENTIAL EQUALIZATION SYSTEMS**
[54] **PALES D'EOLIENNE ET SYSTEMES D'EQUILIBRAGE DE TENSION**
[72] NIELSEN, LARS, DK
[72] JESPERSEN, KLAVS, DK
[71] LM WP PATENT HOLDING A/S, DK
[85] 2018-06-20
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[51] **Int.Cl. F03D 1/06 (2006.01)**
[25] EN
[54] **WIND TURBINE BLADES AND RELATED METHODS OF MANUFACTURING**
[54] **PALES DE TURBINES EOLIENNES ET PROCEDES DE FABRICATION ASSOCIES**
[72] NIELSEN, LARS, DK
[72] JESPERSEN, KLAVS, DK
[71] LM WP PATENT HOLDING A/S, DK
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[25] EN
[54] **BIODEGRADABLE AMPHIPHILIC POLYMER, POLYMERIC VESICLES PREPARED THEREFROM, AND APPLICATION OF BIODEGRADABLE AMPHIPHILIC POLYMER IN PREPARATION OF MEDICINES FOR TARGETED THERAPY OF LUNG CANCER**
[54] **POLYMERE AMPHIPHILE BIODEGRADABLE, VESICULE POLYMERE PREPAREE A PARTIR DE CE DERNIER ET UTILISATION DANS LA PREPARATION D'UN MEDICAMENT THERAPEUTIQUE CIBLE CONTRE LE CANCER DU POUMON**
[72] YUAN, JIANDONG, CN
[72] MENG, FENGHUA, CN
[72] ZOU, YAN, CN
[72] FANG, YUAN, CN
[72] ZHONG, ZHIYUAN, CN
[71] BRIGHTGENE BIO-MEDICAL TECHNOLOGY CO., LTD., CN
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[25] EN
[54] **ORGANIC CARBONATE AS BLOWING AGENT**
[54] **CARBONATES ORGANIQUES UTILISES COMME AGENT D'EXPANSION**
[72] POLLER, SASCHA, DE
[72] SCHONFELD, RAINER, DE
[72] BACHON, THOMAS, DE
[72] RAPPMANN, KLAUS, DE
[72] KOHLSTRUNG, RAINER, DE
[72] PROST-BOUCLE, CONSTANCE, FR
[71] HENKEL AG & CO. KGAA, DE
[85] 2018-06-20
[86] 2016-12-20 (PCT/EP2016/081948)
[87] (WO2017/108809)
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[25] EN
[54] **WATERPROOFING MEMBRANE WITH MINERAL BINDER COMPONENT**
[54] **MEMBRANE D'IMPERMEABILISATION AVEC COMPOSANT LIANT MINERAL**
[72] GOSSI, MATTHIAS, CH
[71] SIKA TECHNOLOGY AG, CH
[85] 2018-06-20
[86] 2016-12-20 (PCT/EP2016/082009)
[87] (WO2017/108846)
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[25] EN
[54] **CRYSTALLINE FORM OF BTK KINASE INHIBITOR AND PREPARATION METHOD THEREOF**
[54] **FORME CRISTALLINE D'UN INHIBITEUR DE LA TYROSINE KINASE DE BRUTON (BTK) ET SON PROCEDE DE PREPARATION**
[72] WU, GUAILI, CN
[72] QIU, ZHENJUN, CN
[72] LU, XI, CN
[72] LU, YUN, CN
[71] JIANGSU HENGRUI MEDICINE CO., LTD., CN
[85] 2018-06-20
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[25] EN
[54] **CIRCUIT AND METHOD FOR DETECTING MEDIUM BELOW GYPSUM BOARD**
[54] **CIRCUIT ET PROCEDE DE DETECTION D'UN MILIEU SOUS UNE PLAQUE DE PLATRE**
[72] GUO, MINGFENG, CN
[72] CHEN, ZHIHONG, CN
[72] ZENG, FANJIAN, CN
[72] HUANG, HAILIN, CN
[71] ZHANGZHOU EASTERN INTELLIGENT METER CO., LTD, CN
[85] 2018-06-20
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[25] EN
[54] **A METHOD AND AN APPARATUS FOR MONITORING AND CONTROLLING DEPOSIT FORMATION**
[54] **PROCEDE ET APPAREIL PERMETTANT DE SURVEILLER ET DE REGULER UNE FORMATION DE DEPOT**
[72] PIIRONEN, MARJATTA, FI
[72] JOENSUU, IIRIS, FI
[72] HESAMPOUR, MEHRDAD, FI
[72] EKMAN, JAAKKO, FI
[71] KEMIRA OYJ, FI
[85] 2018-06-20
[86] 2016-12-21 (PCT/FI2016/050907)
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[51] **Int.Cl. H01H 9/02 (2006.01) B29C 45/40 (2006.01)**
[25] EN
[54] **MONOLITHIC REMOTE CONTROL**
[54] **TELECOMMANDE MONOLITHIQUE**
[72] MAIER, FERDINAND, AT
[71] FM MARKETING GMBH, AT
[85] 2018-06-20
[86] 2016-12-20 (PCT/EP2016/082031)
[87] (WO2017/108862)
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[51] **Int.Cl. A61M 5/178 (2006.01) A61M 5/315 (2006.01)**
[25] EN
[54] **SYRINGE WITH CLICK MECHANISM**
[54] **SERINGUE A MECANISME D'ENCLIQUETAGE**
[72] HOLMQVIST, ANDERS, SE
[72] BLOMQVIST, MAX, SE
[72] TORNSTEN, JONAS, SE
[71] GALDERMA S.A., CH
[85] 2018-06-20
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[51] **Int.Cl. A61K 48/00 (2006.01) C12N 15/86 (2006.01) C12N 15/861 (2006.01) C12N 15/864 (2006.01)**
[25] EN
[54] **ENDOTHELIUM-SPECIFIC NUCLEIC ACID REGULATORY ELEMENTS AND METHODS AND USE THEREOF**
[54] **ELEMENTS REGULATEURS D'ACIDES NUCLEIQUES SPECIFIQUES A L'ENDOTHELIUM ET METHODES ET UTILISATION ASSOCIEES**
[72] CHUAH, MARINEE, BE
[72] VANDENDRIESSCHE, THIERRY, BE
[71] VRIJE UNIVERSITEIT BRUSSEL, BE
[85] 2018-06-20
[86] 2016-12-22 (PCT/EP2016/082314)
[87] (WO2017/109039)
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[51] **Int.Cl. G01N 27/327 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL-BASED ANALYTICAL TEST STRIP WITH ELECTRODE VOLTAGE SENSING CONNECTIONS AND HAND-HELD TEST METER FOR USE THEREWITH**
[54] **BANDELETTE REACTIVE ANALYTIQUE DE TYPE ELECTROCHIMIQUE COMPORTANT DES CONNEXIONS DE CIRCUIT DE DETECTION DE TENSION D'ELECTRODE ET APPAREIL DE MESURE PORTATIF A UTILISER CONJOINTEMENT**
[72] ELDER, DAVID, GB
[72] MCCOLL, DAVID, GB
[71] LIFESCAN SCOTLAND LIMITED, GB
[85] 2018-06-20
[86] 2016-12-22 (PCT/EP2016/082357)
[87] (WO2017/114746)
[30] US (62/271,473) 2015-12-28

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[51] **Int.Cl. B23F 5/16 (2006.01) B23F 17/00 (2006.01) B23F 19/10 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR PRODUCING A CHAMFER ON A TOOTHED WORKPIECE WHEEL**
[54] **DISPOSITIF ET PROCEDE DE CHANFREINAGE D'UNE ROUE D'USINAGE DENTEE**
[72] SOBCZYK, MARCEL, DE
[71] PROFILATOR GMBH & CO. KG, DE
[85] 2018-06-20
[86] 2016-12-14 (PCT/EP2016/080963)
[87] (WO2017/102824)
[30] DE (10 2015 121 821.6) 2015-12-15

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[25] EN
[54] **SUN PROTECTIVE COMPOSITIONS**
[54] **COMPOSITIONS DE PROTECTION SOLAIRE**
[72] FOXCROFT, KATY, GB
[72] ROBSON, GILLIAN, GB
[71] TANCREAM LIMITED, GB
[85] 2018-06-20
[86] 2016-04-20 (PCT/GB2016/051094)
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[30] GB (1520301.1) 2015-11-18

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[51] **Int.Cl. H05B 33/08 (2006.01) H02J 50/05 (2016.01) B63B 59/04 (2006.01)**
[25] EN
[54] **LOAD ARRANGEMENT AND ELECTRICAL POWER ARRANGEMENT FOR POWERING A LOAD**
[54] **AGENCEMENT DE CHARGE ET AGENCEMENT DE SOURCE D'ENERGIE ELECTRIQUE POUR ALIMENTER UNE CHARGE**
[72] VAN DELDEN, MARTINUS HERMANUS WILHELMUS MARIA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-06-20
[86] 2016-12-22 (PCT/EP2016/082363)
[87] (WO2017/109063)
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[51] **Int.Cl. H05B 33/08 (2006.01)**
[25] EN
[54] **LOAD ARRANGEMENT AND ELECTRICAL POWER ARRANGEMENT FOR POWERING A LOAD**
[54] **MONTAGE DE CHARGE ET MONTAGE D'ALIMENTATION ELECTRIQUE POUR ALIMENTER UNE CHARGE**
[72] VAN DELDEN, MARTINUS HERMANUS WILHELMUS MARIA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-06-20
[86] 2016-12-15 (PCT/EP2016/081091)
[87] (WO2017/108545)
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[25] EN
[54] **YEAST CELL**
[54] **CELLULE DE LEVURE**
[72] VOGL, THOMAS, AT
[72] GLIEDER, ANTON, AT
[71] BISY E.U., AT
[85] 2018-06-20
[86] 2016-12-22 (PCT/EP2016/082398)
[87] (WO2017/109082)
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[51] **Int.Cl. B08B 17/02 (2006.01) B63B 59/04 (2006.01) H05B 33/02 (2006.01)**
[25] EN
[54] **MARINE STRUCTURE**
[54] **STRUCTURE MARINE**
[72] VAN DELDEN, MARTINUS HERMANUS WILHELMUS MARIA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-06-20
[86] 2016-12-19 (PCT/EP2016/081632)
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[51] **Int.Cl. A61B 10/00 (2006.01) A61B 10/02 (2006.01) A61B 10/04 (2006.01) G01N 1/30 (2006.01)**
[25] EN
[54] **DEVICE FOR STAINING 3D BIOPSY TISSUE**
[54] **DISPOSITIF POUR COLORATION DE TISSU DE BIOPSIE 3D**
[72] VAN DER ZAAG, PIETER JAN, NL
[72] VULDERS, ROLAND CORNELIS MARTINUS, NL
[72] CLOUT, DANIELLE ELISA WILLEMINE, NL
[72] VAN EEMEREN, JOHANNES THEODORUS WILHELMUS MARIA, NL
[72] VAN DE STOLPE, ANJA, NL
[71] KONINKLIJKE PHILIPS N.V., NL
[85] 2018-06-20
[86] 2016-12-23 (PCT/EP2016/082603)
[87] (WO2017/109201)
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[51] **Int.Cl. A61K 39/12 (2006.01) C07K 14/005 (2006.01)**
[25] EN
[54] **ZIKA VIRUS VACCINE**
[54] **VACCIN CONTRE LE VIRUS ZIKA**
[72] BARBERO CALZADO, JANA, AT
[72] NEBENFUHR, MARIO, AT
[72] SCHLEGL, ROBERT, AT
[72] WEBER, MICHAEL, AT
[72] WRUSS, JURGEN, AT
[71] VALNEVA AUSTRIA GMBH, AT
[85] 2018-06-20
[86] 2016-12-23 (PCT/EP2016/082664)
[87] (WO2017/109225)
[30] EP (15202585.4) 2015-12-23
[30] EP (16161068.8) 2016-03-18
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[51] **Int.Cl. A61B 34/20 (2016.01) A61B 34/10 (2016.01) G16H 40/63 (2018.01) A61B 5/06 (2006.01)**
[25] EN
[54] **ADJUSTABLE REGISTRATION FRAME**
[54] **TRAME D'ALIGNEMENT REGLABLE**
[72] ROTH, IDO, IL
[72] SHOCHAT, MORAN, IL
[72] LEVIN, CHEN, IL
[71] XACT ROBOTICS LTD., IL
[85] 2018-06-20
[86] 2016-12-28 (PCT/IL2016/051396)
[87] (WO2017/115370)
[30] US (62/387,317) 2015-12-28

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[25] EN
[54] **METHOD FOR THE IN-OVO SEX IDENTIFICATION OF CHICKS**
[54] **PROCEDE DE SEXAGE IN OVO DE POUSSINS**
[72] EINSPANIER, ALMUTH, DE
[71] OVONDO E.K., DE
[85] 2018-06-20
[86] 2016-12-22 (PCT/EP2016/082483)
[87] (WO2017/109133)
[30] DE (10 2015 226 490.4) 2015-12-22

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[51] **Int.Cl. A61K 31/4985 (2006.01) A61K 9/20 (2006.01) A61P 11/14 (2006.01)**
[25] EN
[54] **ORVEPITANT FOR THE TREATMENT OF CHRONIC COUGH**
[54] **ORVEPITANT POUR LE TRAITEMENT D'UNE TOUX CHRONIQUE**
[72] TROWER, MIKE, GB
[71] NERRE THERAPEUTICS LIMITED, GB
[85] 2018-06-20
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[30] US (62/408,921) 2016-10-17

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[51] **Int.Cl. B65D 85/804 (2006.01)**
[25] EN
[54] **A CAPSULE ASSEMBLY COMPRISING A CAPSULE AND A CONVEYOR CAP CONFIGURED TO OPEN SAID CAPSULE**
[54] **ENSEMBLE CAPSULE COMPRENANT UNE CAPSULE ET UN BOUCHON DE TRANSPORT CONFIGURE POUR OUVRIR LADITE CAPSULE**
[72] DOGLIONI MAJER, LUCA, IT
[71] TUTTOESPRESSO S.R.L., IT
[85] 2018-06-20
[86] 2017-01-02 (PCT/EP2017/050028)
[87] (WO2017/114970)
[30] EP (PCT/EP2015/081470) 2015-12-31
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[51] **Int.Cl. G08G 1/16 (2006.01)**
[25] FR
[54] **PROCESS FOR SIGNALING AN ACCIDENT BY MEANS OF A SIGNALING DRONE**
[54] **PROCEDE DE SIGNALISATION D'UN ACCIDENT PAR UN DRONE DE SIGNALISATION**
[72] ZENG EYINDANGA, LANDRY STEPHANE, FR
[72] MUBAMU MOMBO, DANY JONAS, GA
[72] FORMENTIN, JONATHAN, FR
[71] BULL SAS, FR
[85] 2018-06-20
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[25] EN
[54] **PEPTIDES AND COMBINATION OF PEPTIDES FOR USE IN IMMUNOTHERAPY AGAINST BREAST CANCER AND OTHER CANCERS**
[54] **PEPTIDES ET COMBINAISON DE PEPTIDES A UTILISER EN IMMUNOTHERAPIE CONTRE LE CANCER DU SEIN ET D'AUTRES CANCERS**
[72] MAHR, ANDREA, DE
[72] WEINSCHENK, TONI, DE
[72] HORZER, HELEN, DE
[72] SCHOOR, OLIVER, DE
[72] FRITSCHE, JENS, DE
[72] SINGH, HARPREET, US
[71] IMMATICS BIOTECHNOLOGIES GMBH, DE
[85] 2018-06-20
[86] 2016-11-29 (PCT/EP2016/079059)
[87] (WO2017/108345)
[30] GB (1522667.3) 2015-12-22
[30] US (62/270,968) 2015-12-22

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[51] **Int.Cl. C07K 14/14 (2006.01) A61K 39/15 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **OPTIMIZED POLYPEPTIDE FOR A SUBUNIT VACCINE AGAINST AVIAN REOVIRUS**
[54] **POLYPEPTIDE OPTIMISE POUR UN VACCIN SOUS-UNITAIRE CONTRE LE REOVIRUS AVIAIRE**
[72] PITCOVSKI, JACOB, IL
[72] GOLDENBERG, DANA, IL
[71] GAVISH-GALILEE BIO APPLICATIONS LTD, IL
[85] 2018-06-20
[86] 2017-01-05 (PCT/IL2017/050011)
[87] (WO2017/118977)
[30] US (62/275,838) 2016-01-07

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[13] A1
[51] **Int.Cl. C09K 8/035 (2006.01)**
[25] EN
[54] **METHOD OF TERTIARY MINERAL OIL PRODUCTION**
[54] **PROCEDE D'EXTRACTION TERTIAIRE DE PETROLE A L'AIDE D'UN POLYMERE A GROUPES HYDROPHOBES ASSOCIATIFS**
[72] REICHENBACH-KLINKE, ROLAND, DE
[72] BITTNER, CHRISTIAN, DE
[72] ZIMMERMANN, TOBIAS, DE
[72] STAVLAND, ARNE, NO
[71] BASF SE, DE
[85] 2018-06-20
[86] 2017-01-04 (PCT/EP2017/050135)
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[30] EP (16151032.6) 2016-01-14

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[51] **Int.Cl. A01N 25/04 (2006.01) A01G 3/06 (2006.01) A01G 29/00 (2006.01) A01N 25/26 (2006.01) A01P 21/00 (2006.01) C05G 3/00 (2006.01) C05G 3/04 (2006.01) C05G 3/06 (2006.01)**
[25] EN
[54] **CONTROLLED RELEASE AGROCHEMICAL DELIVERY UNITS, THEIR MANUFACTURE AND USE**
[54] **UNITES DE DISTRIBUTION DE PRODUIT AGROCHIMIQUE A LIBERATION CONTROLEE, LEUR FABRICATION ET LEUR UTILISATION**
[72] VITNER, ASHER, IL
[72] MILLER, ZVI, IL
[72] BEN-MOSHE, MATTI, IL
[72] SHANI, URI, IL
[72] BARNEA, ZACH, IL
[72] SEGAL, ERAN, IL
[72] LEMBERGER, NITAY, IL
[71] ADAMA MAKHTESHIM LTD., IL
[85] 2018-06-20
[86] 2016-12-21 (PCT/IB2016/001921)
[87] (WO2017/115135)
[30] US (62/271,862) 2015-12-28

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[13] A1
[51] **Int.Cl. C21D 9/46 (2006.01) C22C 38/00 (2006.01)**
[25] EN
[54] **METHOD FOR PRODUCING A ULTRA HIGH STRENGTH GALVANNEALED STEEL SHEET AND OBTAINED GALVANNEALED STEEL SHEET**
[54] **PROCEDE DESTINE A LA PRODUCTION D'UNE TOLE D'ACIER RECUITE APRES GALVANISATION A TRES HAUTE RESISTANCE ET TOLE D'ACIER RECUITE APRES GALVANISATION OBTENUE**
[72] GIRINA, OLGA A., US
[72] PANAHI, DAMON, US
[71] ARCELORMITTAL, LU
[85] 2018-06-20
[86] 2015-12-29 (PCT/IB2015/060026)
[87] (WO2017/115107)

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[51] **Int.Cl. H02B 1/30 (2006.01) F03D 80/80 (2016.01) H02B 1/40 (2006.01) H02B 1/50 (2006.01)**
[25] EN
[54] **ELECTRICAL SWITCHGEAR CABINET**
[54] **ARMOIRE ELECTRIQUE**
[72] WENSING, HENDRIK, DE
[71] SSB WIND SYSTEMS GMBH & CO. KG, DE
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[54] **PROMEDICAMENT DU TAXANE SENSIBLE AUX MMP**
[72] LOADMAN, PAUL, GB
[72] FALCONER, ROBERT, GB
[72] GILL, JASON, GB
[71] INCANTHERA LIMITED, GB
[85] 2018-06-20
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[54] **FIBRE OPTIC TEMPERATURE MEASUREMENT**
[54] **MESURE DE TEMPERATURE DE FIBRE OPTIQUE**
[72] GODFREY, ALASTAIR, GB
[71] OPTASENSE HOLDINGS LIMITED, GB
[85] 2018-06-20
[86] 2016-12-19 (PCT/GB2016/053988)
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[51] **Int.Cl. H04W 84/12 (2009.01) H04W 12/06 (2009.01) H04W 48/20 (2009.01) H04L 12/24 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **PROVISIONING A DEVICE IN A NETWORK**
[54] **APPROVISIONNEMENT D'UN DISPOSITIF DANS UN RESEAU**
[72] MCCANN, STEPHEN, GB
[72] MONTEMURRO, MICHAEL PETER, CA
[72] LEPP, JAMES RANDOLPH WINTER, CA
[71] BLACKBERRY LIMITED, CA
[85] 2018-06-20
[86] 2017-02-16 (PCT/EP2017/053566)
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[51] **Int.Cl. G10L 19/018 (2013.01)**
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[54] **TRANSPARENT LOSSLESS AUDIO WATERMARKING ENHANCEMENT**
[54] **AMELIORATION D'UN FILIGRANAGE AUDIO TRANSPARENT SANS PERTE**
[72] LAW, MALCOLM, GB
[71] LAW, MALCOLM, GB
[85] 2018-06-20
[86] 2016-12-22 (PCT/GB2016/054037)
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[25] EN
[54] **LASER SOURCE, PARTICULARLY FOR INDUSTRIAL PROCESSES**
[54] **SOURCE LASER, NOTAMMENT DESTINEE A DES PROCESSUS INDUSTRIELS**
[72] MAGNANO, NUNZIO, IT
[72] GATTIGLIO, MAURIZIO, IT
[72] BRAGLIA, ANDREA, IT
[71] COMAU S.P.A., IT
[85] 2018-06-20
[86] 2017-03-13 (PCT/IB2017/051437)
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[25] EN
[54] **STACKING OF FOLDED GLOVES**
[54] **EMPILEMENT DE GANTS PLIES**
[72] STOLLERY, JONATHAN WILLIAM, GB
[72] STOLLERY, KIM MARIE, GB
[71] SAFEDON LIMITED, GB
[85] 2018-06-20
[86] 2016-12-22 (PCT/IB2016/057947)
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[54] **IMPROVED FLEXOGRAPHY PRINTING**
[54] **FLEXOGRAPHIE AMELIOREE**
[72] WATTYN, BART MARK LUC, BE
[71] XEIKON PREPRESS N.V., BE
[85] 2018-06-20
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[51] **Int.Cl. A61L 9/01 (2006.01)**
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[54] **DEODORANT PRODUCTION METHOD AND DEODORANT**
[54] **PROCEDE DE PRODUCTION DE DEODORANT ET DEODORANT**
[72] ISHII, YOICHI, JP
[72] OKAMOTO, TAKESHI, JP
[72] ISHII, SAYAKA, JP
[71] WELL STONE CO., JP
[85] 2018-06-20
[86] 2016-12-16 (PCT/JP2016/087679)
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[25] EN
[54] **A DECORATIVE PANEL**
[54] **PANNEAU DECORATIF**
[72] KJELLANDER, BIRGITTA KATARINA CHARLOTTE, NL
[72] HODGSON-STOKX, MARCELLE, NL
[71] TRESPA INTERNATIONAL B.V., NL
[85] 2018-06-20
[86] 2016-12-22 (PCT/NL2016/050907)
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[25] EN
[54] **A METHOD OF MANUFACTURING A COMPOSITE LAMINATE STRUCTURE OF A WIND TURBINE BLADE PART AND RELATED WIND TURBINE BLADE PART**
[54] **PROCEDE DE FABRICATION D'UNE STRUCTURE STRATIFIEE COMPOSITE D'UNE PARTIE DE PALE D'EOLIENNE ET PARTIE DE PALE D'EOLIENNE ASSOCIEE**
[72] NIELSEN, LARS, DK
[72] JESPERSEN, KLAVS, DK
[71] LM WP PATENT HOLDING A/S, DK
[85] 2018-06-20
[86] 2016-12-19 (PCT/EP2016/081733)
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[25] EN
[54] **MATERIALS AND METHODS FOR TREATMENT OF AMYOTROPHIC LATERAL SCLEROSIS AND/OR FRONTAL TEMPORAL LOBULAR DEGENERATION**
[54] **MATERIAUX ET PROCEDES DE TRAITEMENT DE LA SCLEROSE LATERALE AMYOTROPHIQUE ET/OU DE LA DEGENERESCENCE LOBAIRE FRONTOTEMPORALE**
[72] COWAN, CHAD ALBERT, US
[72] KABADI, AMI MEDA, US
[72] LUNDBERG, ANTE SVEN, US
[71] CRISPR THERAPEUTICS AG, CH
[85] 2018-06-20
[86] 2016-12-22 (PCT/IB2016/057958)
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[25] EN
[54] **DRUG COMPRISING ARIPIPRAZOLE AND CILOSTAZOL**
[54] **MEDICAMENT COMPRENANT DE L'ARIPIPRAZOLE ET DU CILOSTAZOL**
[72] SHIN, HWA KYOUNG, KR
[72] CHOI, BYUNG TAE, KR
[72] HONG, KI WHAN, KR
[71] OTSUKA PHARMACEUTICAL CO., LTD., JP
[85] 2018-06-20
[86] 2016-12-22 (PCT/JP2016/088554)
[87] (WO2017/111123)
[30] JP (PCT/JP2015/006489) 2015-12-25

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[25] EN
[54] **A SYSTEM FOR TRANSPORTING RECREATIONAL AND SPECIALIZED FOOTWEAR**
[54] **SYSTEME DE TRANSPORT DE CHAUSSURES DE LOISIR ET SPECIALISEES**
[72] BARIL, ALEX, US
[72] PRISCO, GEOFFREY, US
[71] BRUTUS PARK CREATIONS LLC, US
[85] 2018-06-20
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[54] **WRINGING APPARATUS FOR A WIPING DEVICE**
[54] **DISPOSITIF D'ESSORAGE POUR UN BALAI LAVEUR**
[72] BRUGORA, ALESSANDRO, IT
[72] DINGERT, UWE, DE
[72] WEIS, NORBERT, DE
[71] CARL FREUDENBERG KG, DE
[85] 2018-06-20
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[30] DE (10 2015 016 459.7) 2015-12-21
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[54] **MEDICAMENT FOR TREATING CEREBRAL INFARCTION**
[54] **MEDICAMENT POUR LE TRAITEMENT DES INFARCTUS CEREBRAUX**
[72] HONMOU, OSAMU, JP
[72] NAKAZAKI, MASAHITO, JP
[72] SASAKI, MASANORI, JP
[72] SASAKI, YUKO, JP
[72] OKA, SHINICHI, JP
[71] SAPPORO MEDICAL UNIVERSITY, JP
[71] NIPRO CORPORATION, JP
[85] 2018-06-20
[86] 2016-12-26 (PCT/JP2016/088646)
[87] (WO2017/111153)
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[25] EN
[54] **EMERGENCY ANTI-HYPOTHERMIA SYSTEM AND HIGHLY PORTABLE, INFLATABLE EMERGENCY VEST THEREFOR**
[54] **SYSTEME ANTI-HYPOTHERMIE D'URGENCE ET GILET D'URGENCE GONFLABLE HAUTEMENT PORTABLE POUR CE DERNIER**
[72] BRUCE, IAN, US
[71] XEROGEAR, LLC, US
[85] 2018-06-20
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[87] (WO2017/116431)
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[54] **COMPOSITION**
[54] **COMPOSITION**
[72] HANSEN, JAN CHARLES, DK
[72] SORENSEN, JENS FRISBAEK, DK
[72] MIKKELSEN, RENE, DK
[71] DUPONT NUTRITION BIOSCIENCES APS, DE
[85] 2018-06-20
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[87] (WO2017/112660)
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[25] EN
[54] **ASCOCHLORIN DERIVATIVE AND USE THEREOF AS AMPK ACTIVATOR**
[54] **DERIVE D'ASCOCHLORINE ET SON UTILISATION COMME ACTIVATEUR D'AMPK**
[72] SHIMMA, NOBUO, JP
[72] HOSHINO, TATSUO, JP
[71] NRL PHARMA, INC., JP
[85] 2018-06-20
[86] 2017-01-04 (PCT/JP2017/000902)
[87] (WO2017/119515)
[30] JP (2016-000583) 2016-01-05

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[25] EN
[54] **HYDROGEL PRODRUG FOR TREATMENT**
[54] **PROMEDICAMENT DE TYPE HYDROGEL A VISEE THERAPEUTIQUE**
[72] FISHER, PAUL, US
[72] DAVIS, PAULINA, US
[71] VIKING SCIENTIFIC, INC., US
[85] 2018-06-20
[86] 2016-12-20 (PCT/US2016/067864)
[87] (WO2017/112704)
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[51] **Int.Cl. C23G 3/00 (2006.01)**
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[54] **LIQUID REMOVAL DEVICE AND LIQUID REMOVAL METHOD**
[54] **APPAREIL D'ELIMINATION DE LIQUIDE ET PROCEDE D'ELIMINATION DE LIQUIDE**
[72] TAYA, TAKAO, JP
[72] KATO,HIROYUKI, JP
[72] KIYOSUE,TAKANORI, JP
[72] YAMADA,YOSHIHIRO, JP
[71] NIPPON STEEL & SUMITOMO METAL CORPORATION, JP
[85] 2018-06-20
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[25] EN
[54] **COVERING PANEL AND PROCESS OF PRODUCING COVERING PANELS**
[54] **PANNEAU DE COUVERTURE ET PROCEDE DE PRODUCTION DE PANNEAUX DE COUVERTURE**
[72] VAN GIEL, FRANS, BE
[72] LOMBAERT, POL, BE
[72] WYSEUR, MATTHIAS, BE
[72] BEVERNAGE, LEO MARIE RICHARD, BE
[71] BEAULIEU INTERNATIONAL GROUP NV, BE
[85] 2018-06-20
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[51] **Int.Cl. C07K 16/28 (2006.01) A61P 35/00 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **BISPECIFIC ANTI-CD20/ANTI-CD3 ANTIBODIES TO TREAT ACUTE LYMPHOBLASTIC LEUKEMIA**
[54] **ANTICORPS ANTI-CD20/ANTI-CD3 BISPECIFIQUES POUR TRAITER LA LEUCEMIE AIGUE LYMPHOBLASTIQUE**
[72] BROWNSTEIN, CARRIE, US
[71] REGENERON PHARMACEUTICALS, INC., US
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068003)
[87] (WO2017/112762)
[30] US (62/270,749) 2015-12-22
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[25] EN
[54] **METAL WORKING FLUID**
[54] **FLUIDE DE TRAITEMENT DE METAUX**
[72] KIRSCH, GABRIEL J., US
[72] ZARZYCKI, CHRISTINE, US
[71] HENKEL AG & CO. KGAA, DE
[85] 2018-06-20
[86] 2016-11-29 (PCT/US2016/063896)
[87] (WO2017/112362)
[30] US (62/387,458) 2015-12-23

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[54] **CORTISTATIN ANALOGS AND USES THEREOF**
[54] **ANALOGUES DE LA CORTISTATINE ET LEURS UTILISATIONS**
[72] SHAIR, MATTHEW D., US
[72] PELISH, HENRY EFREM, US
[71] PRESIDENT AND FELLOWS OF HARVARD COLLEGE, US
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068125)
[87] (WO2017/112815)
[30] US (62/387,246) 2015-12-23
[30] US (62/297,494) 2016-02-19

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[51] **Int.Cl. A61K 47/00 (2006.01)**
[25] EN
[54] **TRIPARTITE MODULATORS OF ENDOSOMAL G PROTEIN-COUPLED RECEPTORS**
[54] **MODULATEURS TRIPARTITES DE RECEPTEURS COUPLES AUX PROTEINES G DES ENDOSOMES**
[72] BUNNETT, NIGEL W., AU
[72] PORTER, CHRISTOPHER J.H., AU
[72] COLE, DEREK, US
[72] HICKS, GARETH, US
[72] SHIRAI, JUNYA, JP
[72] HIRST, GAVIN, US
[71] TAKEDA PHARMACEUTICAL COMPANY LIMITED, JP
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068075)
[87] (WO2017/112792)
[30] AU (2015905333) 2015-12-22
[30] US (62/291,161) 2016-02-04

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[25] EN
[54] **METHOD AND SYSTEM FOR BLOCKCHAIN VARIANT USING DIGITAL SIGNATURES**
[54] **PROCEDE ET SYSTEME POUR UNE VARIANTE DE CHAINE DE BLOCS A L'AIDE DE SIGNATURES NUMERIQUES**
[72] KING, DAVID J., GB
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-06-20
[86] 2016-12-14 (PCT/US2016/066459)
[87] (WO2017/112469)
[30] US (14/976,331) 2015-12-21

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[25] EN
[54] **DEVICES, SYSTEMS AND METHODS FOR ACTUATION AND RETRACTION IN FLUID COLLECTION**
[54] **DISPOSITIFS, SYSTEMES ET PROCEDES D'ACTIONNEMENT ET DE RETRACTION UTILISES DANS LA COLLECTE DE FLUIDE**
[72] BERTHIER, ERWIN, US
[72] CASAVANT, BEN, US
[72] MOGA, BEN, US
[71] TASSO, INC., US
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068077)
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[30] US (62/270,550) 2015-12-21

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[25] EN
[54] **MOLD-RELEASABLE SURFACING MATERIALS FOR COMPOSITE PARTS**
[54] **MATERIAUX DE SURFACAGE DEMOULABLES POUR PIECES COMPOSITES**
[72] SANG, JUNJIE JEFFREY, US
[72] KOHLI, DALIP KUMAR, US
[71] CYTEC INDUSTRIES INC., US
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068014)
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[30] US (62/270,808) 2015-12-22

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[25] EN
[54] **APPLICATOR INSTRUMENTS HAVING OFF-AXIS SURGICAL FASTENER DELIVERY**
[54] **INSTRUMENTS APPLICATEURS AYANT UNE POSE DE FIXATION CHIRURGICALE HORS-AXE**
[72] CARDINALE, MICHAEL, US
[72] SOULA, DOUG, US
[72] MIKSZA, ANTHONY, US
[72] BRICKNER, AARON J., US
[72] SCHNEIDER, JARED, US
[72] SACK, TODD, US
[72] SCHIFF, DAVID R., US
[72] WENIG, ERIN ELIZABETH, US
[71] ETHICON, INC., US
[85] 2018-06-20
[86] 2016-12-15 (PCT/US2016/066922)
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[25] EN
[54] **PHARMACEUTICAL FORMULATIONS FOR TREATING KIDNEY STONES AND METHODS FOR FABRICATING AND USING THEREOF**
[54] **FORMULATIONS PHARMACEUTIQUES POUR TRAITER LES CALCULS RENAUX ET LEURS PROCEDES DE FABRICATION ET D'UTILISATION**
[72] SAADEH, DENNIS ELIAS, US
[72] BITTERMAN, JOSEPH, US
[71] IMPRIMIS PHARMACEUTICALS, INC., US
[85] 2018-06-20
[86] 2016-12-19 (PCT/US2016/067466)
[87] (WO2017/112574)
[30] US (62/271,020) 2015-12-22
[30] US (62/272,894) 2015-12-30

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[51] **Int.Cl. A23K 10/12 (2016.01) A23K 20/147 (2016.01) A23K 20/26 (2016.01)**
[25] EN
[54] **FERMENTED VEGETABLE PROTEIN COMPOSITIONS AND METHODS FOR PRODUCING THE SAME**
[54] **COMPOSITIONS DE PROTEINES VEGETALES FERMENTEES PROCEDES POUR LES PRODUIRE**
[72] BELL, ERIC, US
[72] MERTZ, KEITH, US
[72] PETERS, EUGENE MAX, JR., US
[72] SOLLER, FABIO, US
[72] WOO, ANTON, US
[72] YEHIA, HADI NAYEF, US
[71] CARGILL, INCORPORATED, US
[85] 2018-06-20
[86] 2016-12-22 (PCT/US2016/068194)
[87] (WO2017/112841)
[30] US (62/271,047) 2015-12-22

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[13] A1
[51] **Int.Cl. G06Q 20/40 (2012.01) G06Q 20/24 (2012.01)**
[25] EN
[54] **METHOD FOR DETERMINING IF A CURRENT WALLET-BASED TRANSACTION INITIATED BY A DIGITAL WALLET USER IS FRAUDULENT**
[54] **PROCEDE POUR DETERMINER SI UNE TRANSACTION BASEE SUR UN PORTEFEUILLE ACTUELLE INITIEE PAR UN UTILISATEUR DE PORTEFEUILLE NUMERIQUE EST OU NON FRAUDULEUSE**
[72] GUPTA, SHEETANSHU, IN
[72] SHARAN, ASHUTOSH, IN
[72] PRAKASH, MAYANK, IN
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-06-20
[86] 2016-12-19 (PCT/US2016/067472)
[87] (WO2017/116794)
[30] SG (10201510818R) 2015-12-31

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[13] A1
[51] **Int.Cl. H04L 29/06 (2006.01) H04L 9/08 (2006.01)**
[25] EN
[54] **METHOD AND SYSTEM FOR DISTRIBUTED CRYPTOGRAPHIC KEY PROVISIONING AND STORAGE VIA ELLIPTIC CURVE CRYPTOGRAPHY**
[54] **PROCEDE ET SYSTEME DE FOURNITURE DE CLE CRYPTOGRAPHIQUE REPARTIE ET MEMORISATION PAR CRYPTOGRAPHIE A COURBE ELLIPTIQUE**
[72] DAVIS, STEVEN CHARLES, US
[71] MASTERCARD INTERNATIONAL INCORPORATED, US
[85] 2018-06-20
[86] 2017-01-06 (PCT/US2017/012437)
[87] (WO2017/127238)
[30] US (15/001,775) 2016-01-20

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[13] A1
[51] **Int.Cl. A61K 31/341 (2006.01) A61K 31/34 (2006.01) A61K 31/42 (2006.01) A61K 31/422 (2006.01) A61K 31/4245 (2006.01) A61K 31/5377 (2006.01) A61P 11/00 (2006.01)**
[25] EN
[54] **METHODS OF TREATING PULMONARY DISEASES AND DISORDERS**
[54] **METHODES DE TRAITEMENT DE MALADIES ET TROUBLES PULMONAIRES**
[72] MILLER, JOHN, US
[72] BASTOS, CECILIA M., US
[72] MUNOZ, BENITO, US
[71] PROTEOSTASIS THERAPEUTICS, INC., US
[85] 2018-06-20
[86] 2016-12-22 (PCT/US2016/068266)
[87] (WO2017/112853)
[30] US (62/271,191) 2015-12-22
[30] US (62/271,804) 2015-12-28

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[13] A1
[51] **Int.Cl. D01F 9/22 (2006.01) D01F 11/12 (2006.01)**
[25] EN
[54] **PROCESS FOR GAS PHASE SURFACE TREATMENT**
[54] **PROCEDE DE TRAITEMENT DE SURFACE EN PHASE GAZEUSE**
[72] CHIU, SHAO C., US
[71] CYTEC INDUSTRIES INC., US
[85] 2018-06-20
[86] 2016-12-19 (PCT/US2016/067574)
[87] (WO2017/112598)
[30] US (62/270,656) 2015-12-22

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[13] A1
[51] **Int.Cl. C12N 15/113 (2010.01)**
[25] EN
[54] **ANTISENSE ANTIBACTERIAL COMPOUNDS AND METHODS**
[54] **COMPOSES ANTIBACTERIENS ANTISENS ET PROCEDES ASSOCIES**
[72] GREENBERG, DAVID, US
[72] GELLER, BRUCE L., US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[71] OREGON STATE UNIVERSITY, US
[85] 2018-06-20
[86] 2016-12-22 (PCT/US2016/068376)
[87] (WO2017/112888)
[30] US (62/387,178) 2015-12-23

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[13] A1
[51] **Int.Cl. B29C 47/02 (2006.01) E21B 17/22 (2006.01) F16L 58/02 (2006.01) F16L 58/04 (2006.01)**
[25] EN
[54] **SYSTEMS AND PROCESSES FOR COATING AND LINING COILED TUBING**
[54] **SYSTEMES ET PROCESSUS POUR REVETEMENT ET CHEMISAGE DE TUBE HELICOIDAL**
[72] MERENIUK, TERRY, CA
[72] MOORE, RUSSEL, CA
[71] 2009095 ALBERTA LTD., CA
[85] 2018-06-20
[86] 2016-12-19 (PCT/CA2016/000321)
[87] (WO2017/106956)
[30] US (62/270,368) 2015-12-21

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[13] A1
[51] **Int.Cl. C07K 16/02 (2006.01) A61K 39/00 (2006.01)**
[25] EN
[54] **IGY ANTIBODIES FOR THE PREVENTION OF SEA LICE INFESTATION AND INFECTION**
[54] **ANTICORPS IGY POUR LA PREVENTION DE L'INFESTATION PAR LES POUX DE MER ET DE L'INFECTION ASSOCIEE**
[72] MORLANDSTO, JAN OVE, NO
[72] EVENSEN, OYSTEIN, NO
[72] SKJERVOLD, PER OLAV, NO
[71] NORIFISH AS, NO
[85] 2018-06-20
[86] 2017-01-20 (PCT/NO2017/050019)
[87] (WO2017/126976)
[30] NO (20160113) 2016-01-22

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[13] A1
[51] **Int.Cl. F26B 17/32 (2006.01)**
[25] EN
[54] **A ROTARY DRYER WITH MULTI-DRYING CHAMBERS**
[54] **SECHOIR ROTATIF A MULTIPLES CHAMBRES DE SECHAGE**
[72] KOSONSITTIWIT, PHAKORN, TH
[72] KEAWLUAN, SOMMAS, TH
[72] NAKSUK, PAISAL, TH
[72] KOSONSITTIWIT, THANAKRIT, TH
[72] CHAISIRINIRUN, KRIANGKRAI, TH
[71] K.S. PREMIER PRODUCTS CO., LTD, TH
[85] 2018-06-20
[86] 2016-12-20 (PCT/TH2016/000100)
[87] (WO2017/111710)
[30] TH (1501007712) 2015-12-22

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[13] A1
[51] **Int.Cl. G02B 27/01 (2006.01) G06T 19/00 (2011.01) H04N 9/14 (2006.01)**
[25] EN
[54] **DYNAMIC FRESNEL PROJECTOR**
[54] **PROJECTEUR FRESNEL DYNAMIQUE**
[72] GRATA, JEREMY A., US
[72] JIA, ZHIHENG, US
[71] MAGIC LEAP, INC., US
[85] 2018-06-20
[86] 2017-01-09 (PCT/US2017/012724)
[87] (WO2017/120588)
[30] US (62/276,099) 2016-01-07

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[13] A1
[51] **Int.Cl. A61N 1/04 (2006.01) A61N 1/24 (2006.01) A61N 1/30 (2006.01) A61N 1/32 (2006.01) A61N 1/40 (2006.01) C12N 13/00 (2006.01) H02M 3/335 (2006.01)**
[25] EN
[54] **ELECTROPORATION DEVICE WITH IMPROVED SIGNAL GENERATOR**
[54] **DISPOSITIF D'ELECTROPORATION A GENERATEUR DE SIGNAUX AMELIORE**
[72] STADELMANN, BEAT, US
[71] INOVIO PHARMACEUTICALS, INC., US
[85] 2018-06-20
[86] 2016-12-28 (PCT/US2016/068940)
[87] (WO2017/117251)
[30] US (62/271,955) 2015-12-28

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[13] A1
[51] **Int.Cl. A61N 1/18 (2006.01) A61B 17/34 (2006.01) A61B 18/14 (2006.01) A61F 7/00 (2006.01) A61M 37/00 (2006.01) A61N 1/00 (2006.01) A61N 1/04 (2006.01) A61N 1/32 (2006.01)**
[25] EN
[54] **ELECTROPORATION DEVICE WITH DETACHABLE NEEDLE ARRAY WITH LOCK-OUT SYSTEM**
[54] **DISPOSITIF D'ELECTROPORATION AVEC ENSEMBLE D'AIGUILLES DETACHABLES AVEC SYSTEME DE VERROUILLAGE**
[72] CAMPILLO-AGUSTI, ALEJANDRO, US
[72] HO, EDUARDO E., US
[72] LOVELL, NATHAN, US
[72] MASTERSON, STEVEN, US
[72] STADELMANN, BEAT, US
[72] KEMMERRER, STEPHEN, US
[71] INOVIO PHARMACEUTICALS, INC., US
[85] 2018-06-20
[86] 2016-12-30 (PCT/US2016/069438)
[87] (WO2017/117508)
[30] US (62/272,758) 2015-12-30

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[13] A1
[51] **Int.Cl. C07K 16/02 (2006.01) C07K 16/08 (2006.01)**
[25] EN
[54] **IGY ANTIBODIES FOR THE PREVENTION OF SEA LICE INFESTATION AND INFECTION**
[54] **ANTICORPS IGY POUR LA PREVENTION D'UNE INFESTATION ET D'UNE INFECTION PAR LE POU DU POISSON**
[72] MORLANDSTO, JAN OVE, NO
[72] EVENSEN, OYSTEIN, NO
[72] SKJERVOLD, PER OLAV, NO
[71] NORIFISH AS, NO
[85] 2018-06-20
[86] 2017-01-20 (PCT/NO2017/050020)
[87] (WO2017/126977)
[30] NO (20160113) 2016-01-22

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[13] A1
[51] **Int.Cl. A61K 38/45 (2006.01) A61K 38/19 (2006.01) A61K 38/44 (2006.01) A61K 48/00 (2006.01) C12N 5/10 (2006.01) C12N 9/12 (2006.01) C12N 15/12 (2006.01) C12N 15/63 (2006.01)**
[25] EN
[54] **COMPOSITIONS AND METHODS FOR REGULATING ACTIVITY OF INHIBITOR OF DNA BINDING-2 (ID2) PROTEIN**
[54] **COMPOSITIONS ET PROCEDES DE REGULATION DE L'ACTIVITE DE L'INHIBITEUR DE LA PROTEINE DE LIAISON A L'ADN DE TYPE 2 (ID2)**
[72] LAVARONE, ANTONIO, US
[72] LASORELLA, ANN, US
[71] THE TRUSTEES OF COLUMIBA UNIVERSITY IN THE CITY OF NEW YORK, US
[85] 2018-06-20
[86] 2017-01-05 (PCT/US2017/012352)
[87] (WO2017/120349)
[30] US (62/274,871) 2016-01-05

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[13] A1
[51] **Int.Cl. A61M 5/172 (2006.01) A61B 5/145 (2006.01) A61M 5/168 (2006.01)**
[25] EN
[54] **ADJUSTING INSULIN DELIVERY RATES**
[54] **AJUSTEMENT DES DEBITS D'ADMINISTRATION D'INSULINE**
[72] DESBOROUGH, LANE, US
[72] MAZLISH, BRYAN, US
[71] BIGFOOT BIOMEDICAL, INC., US
[85] 2018-06-20
[86] 2017-01-13 (PCT/US2017/013521)
[87] (WO2017/124006)
[30] US (62/278,978) 2016-01-14
[30] US (62/340,470) 2016-05-23

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[13] A1
[51] **Int.Cl. C11D 1/83 (2006.01) C11D 3/00 (2006.01) C11D 3/20 (2006.01) C11D 3/22 (2006.01) C11D 3/30 (2006.01) C11D 3/37 (2006.01) C11D 3/43 (2006.01) C11D 11/00 (2006.01) C11D 1/29 (2006.01) C11D 1/72 (2006.01) C11D 1/75 (2006.01)**
[25] EN
[54] **LAUNDRY DETERGENT COMPOSITIONS COMPRISING RENEWABLE COMPONENTS**
[54] **COMPOSITIONS DE DETERGENT A LESSIVE A BASE DE COMPOSANTS RENOUVELABLES**
[72] SHEAROUSE, WILLIAM COFFIN, US
[72] HIBBARD, DANIELE LYNN, US
[71] THE PROCTER & GAMBLE COMPANY, US
[85] 2018-06-20
[86] 2017-01-06 (PCT/US2017/012414)
[87] (WO2017/123457)
[30] US (14/994,643) 2016-01-13

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[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01) A61M 25/00 (2006.01)**
[25] EN
[54] **PERFUSION BALLOON WITH INTERNAL VALVE**
[54] **BALLONNET DE PERFUSION DOTE D'UNE VALVE INTERNE**
[72] GOMES, GARRETT, US
[72] MOLL, ANDREW, US
[72] MOORE, CAMERON, US
[72] RADOCHONSKI, SAMUEL, US
[72] VIRK, CHANDER, US
[72] YOUNG, ANTHONY, US
[71] C.R. BARD, INC., US
[85] 2018-06-20
[86] 2017-02-28 (PCT/US2017/019862)
[87] (WO2017/151569)
[30] US (15/061,719) 2016-03-04

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[13] A1
[51] **Int.Cl. G06F 17/30 (2006.01) G06F 9/54 (2006.01) H04L 29/08 (2006.01)**
[25] EN
[54] **EVENT STREAM PROCESSING CLUSTER MANAGER**
[54] **GESTIONNAIRE DE GRAPPE DE TRAITEMENT DE FLUX D'EVENEMENTS**
[72] KOLODZIESKI, SCOTT J., US
[72] DETERS, VINCENT L., US
[72] HUANG, SHU, US
[72] LEVEY, ROBERT A., US
[71] SAS INSTITUTE INC., US
[85] 2018-06-20
[86] 2017-11-16 (PCT/US2017/062046)
[87] (WO2018/106426)
[30] US (62/432,238) 2016-12-09
[30] US (62/449,430) 2017-01-23

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[13] A1
[51] **Int.Cl. C07D 249/08 (2006.01) A61K 31/41 (2006.01) C07D 235/00 (2006.01)**
[25] EN
[54] **SALT FORMS AND POLYMORPHS OF (R)-1-(4-(6-(2-(4-(3,3-DIFLUOROCYCLOBUTOXY)-6-METHYLPYRIDIN-2-YL) ACETAMIDO) PYRIDAZIN-3-YL)-2-FLUOROBUTYL)-N-METHYL-1H-1,2,3-TRIAZOLE-4-CARBOXAMIDE**
[54] **FORMES DE SELS ET POLYMORPHES DE (R)-1-(4-(6-(2-(4-(3,3-DIFLUOROCYCLOBUTOXY)-6-METHYLPYRIDINE-2-YL) ACETAMIDO)PYRIDAZINE-3-YL)-2-FLUOROBUTYL)-N-METHYL-1H-1,2,3-TRIAZOLE-4-CARBOXAMIDE**
[72] JONES, PHILIP, US
[72] SOTH, MICHAEL J., US
[72] BURKE, JASON B., US
[72] LE, KANG, US
[72] LIU, GANG, US
[71] BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, US
[85] 2018-06-20
[86] 2016-12-21 (PCT/US2016/068149)
[87] (WO2017/112831)
[30] US (62/271,018) 2015-12-22

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[13] A1
[51] **Int.Cl. F16L 25/00 (2006.01) F16L 19/08 (2006.01) F16L 23/024 (2006.01) F16L 47/00 (2006.01)**
[25] EN
[54] **ADAPTER COUPLING**
[54] **RACCORD ADAPTATEUR**
[72] CUVO, ANTHONY J., US
[72] BOWMAN, MATTHEW A., US
[71] VICTAULIC COMPANY, US
[85] 2018-06-20
[86] 2016-12-22 (PCT/US2016/068258)
[87] (WO2017/116969)
[30] US (62/271,395) 2015-12-28

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[13] A1
[51] **Int.Cl. G01N 29/14 (2006.01) G01N 29/30 (2006.01) G01N 29/44 (2006.01)**
[25] EN
[54] **METHODS AND APPARATUS TO TEST ACOUSTIC EMISSION SENSORS**
[54] **PROCEDES ET APPAREIL POUR TESTER DES CAPTEURS D'EMISSION ACOUSTIQUE**
[72] NORDSTROM, RICHARD ALLEN, US
[72] DAHME, BRET ANTHONY, US
[72] ANDERSON, SHAWN W., US
[71] FISHER CONTROLS INTERNATIONAL LLC, US
[85] 2018-06-20
[86] 2017-01-11 (PCT/US2017/012904)
[87] (WO2017/123567)
[30] US (14/992,755) 2016-01-11

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[13] A1
[51] **Int.Cl. G06F 9/52 (2006.01) G06F 11/14 (2006.01)**
[25] EN
[54] **RECOVERABLE STREAM PROCESSING**
[54] **TRAITEMENT DE FLUX RECUPERABLE**
[72] DOUROS, BRYAN PHIL, US
[72] STANFILL, CRAIG W., US
[72] WHOLEY, JOSEPH SKEFFINGTON, III, US
[71] AB INITIO TECHNOLOGY LLC, US
[85] 2018-06-20
[86] 2017-01-13 (PCT/US2017/013309)
[87] (WO2017/123849)
[30] US (62/278,528) 2016-01-14

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[13] A1
[51] **Int.Cl. A61K 38/18 (2006.01) A23L 33/18 (2016.01)**
[25] EN
[54] **INFANT FORMULA COMPRISING HUMAN MILK PEPTIDES**
[54] **PREPARATION POUR NOURRISSONS COMPRENANT DES PEPTIDES DE LAIT HUMAIN**
[72] CLARKE, ANDREW JOHN, NZ
[72] TRIVEDI, MALAV SUCHIN, US
[71] THE A2 MILK COMPANY LIMITED, NZ
[85] 2018-06-20
[86] 2016-12-21 (PCT/NZ2016/050203)
[87] (WO2017/111618)
[30] US (62/270,955) 2015-12-22

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[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A47K 10/16 (2006.01) B31F 1/07 (2006.01) B32B 5/26 (2006.01) B32B 29/00 (2006.01) B32B 37/02 (2006.01) B65H 19/29 (2006.01) C08B 15/00 (2006.01) C09D 101/02 (2006.01) C09J 129/04 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **ABSORBENT SHEET TAIL-SEALED WITH NANOFIBRILLATED CELLULOSE CONTAINING TAIL-SEAL ADHESIVES**
[54] **FEUILLE ABSORBANTE A EXTREMITE SCELLEE AU MOYEN DE CELLULOSE NANOFIBRILLEE CONTENANT DES ADHESIFS POUR SCELLEMENT D'EXTREMITE**
[72] YU, ZHIYING, US
[72] VAIJAPURKAR, SIDDHARTH S., US
[72] SUMNICHT, DANIEL W., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2018-06-20
[86] 2017-01-17 (PCT/US2017/013693)
[87] (WO2017/127336)
[30] US (62/280,161) 2016-01-19
[30] US (62/366,154) 2016-07-25
[30] US (62/366,137) 2016-07-25
[30] US (15/405,795) 2017-01-13

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[13] A1
[51] **Int.Cl. A61F 13/15 (2006.01) A47K 10/16 (2006.01) B31F 1/07 (2006.01) B32B 5/26 (2006.01) B32B 29/00 (2006.01) B32B 37/12 (2006.01) C08B 15/00 (2006.01) C09D 101/02 (2006.01) C09J 101/02 (2006.01) C09J 129/04 (2006.01) D21H 27/40 (2006.01)**
[25] EN
[54] **NANOFIBRILLATED CELLULOSE PLY-BONDING AGENT OR ADHESIVE AND MULTI-PLY ABSORBENT SHEET MADE THEREWITH**
[54] **AGENT OU ADHESIF DE LIAISON ENTRE DES COUCHES DE CELLULOSE NANOFIBRILLEE ET FEUILLE ABSORBANTE A COUCHES MULTIPLES AINSI FABRIQUEE**
[72] YU, ZHIYING, US
[72] VAIJAPURKAR, SIDDHARTH S., US
[72] SUMNICHT, DANIEL W., US
[71] GPCP IP HOLDINGS LLC, US
[85] 2018-06-20
[86] 2017-01-17 (PCT/US2017/013691)
[87] (WO2017/127335)
[30] US (62/280,161) 2016-01-19
[30] US (62/366,154) 2016-07-25
[30] US (62/366,137) 2016-07-25
[30] US (15/405,397) 2017-01-13

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[13] A1
[51] **Int.Cl. H04L 9/32 (2006.01) G06K 19/06 (2006.01)**
[25] EN
[54] **AUTHENTICATION SYSTEMS AND METHODS USING LOCATION MATCHING**
[54] **SYSTEMES ET PROCEDES D'AUTHENTIFICATION UTILISANT LA MISE EN CORRESPONDANCE DE POSITIONS**
[72] CHITALIA, JALPESH, US
[72] ANSARI, ANSAR, US
[71] VISA INTERNATIONAL SERVICE ASSOCIATION, US
[85] 2018-06-20
[86] 2017-02-13 (PCT/US2017/017682)
[87] (WO2017/139772)
[30] US (62/294,471) 2016-02-12

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[13] A1
[51] **Int.Cl. G02B 6/024 (2006.01) G02B 26/10 (2006.01) G02B 27/01 (2006.01)**
[25] EN
[54] **POLARIZING MAINTAINING OPTICAL FIBER IN VIRTUAL/AUGMENTED REALITY SYSTEM**
[54] **FIBRE OPTIQUE DE MAINTIEN DE POLARISATION DANS UN SYSTEME DE REALITE VIRTUELLE/AUGMENTEE**
[72] YEOH, IVAN L., US
[72] EDWIN, LIONEL ERNEST, US
[72] TINCH, DAVID, US
[71] MAGIC LEAP, INC., US
[85] 2018-06-20
[86] 2017-01-19 (PCT/US2017/014138)
[87] (WO2017/127547)
[30] US (62/280,992) 2016-01-20

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[13] A1
[51] **Int.Cl. A61K 8/87 (2006.01) A61K 8/34 (2006.01) A61K 8/35 (2006.01) A61K 8/37 (2006.01) A61K 8/72 (2006.01) A61Q 3/00 (2006.01)**
[25] EN
[54] **NAIL COMPOSITION WITH CAPPED OLIGOMERS**
[54] **COMPOSITION POUR LES ONGLES CONTENANT DES OLIGOMERES COIFFES**
[72] VALIA, DAVE, US
[72] SANDEWICZ, ROBERT, US
[71] REVLON CONSUMER PRODUCTS CORPORATION, US
[85] 2018-06-20
[86] 2017-01-10 (PCT/US2017/012811)
[87] (WO2017/123527)
[30] US (62/278,655) 2016-01-14

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[13] A1
[51] **Int.Cl. A61M 25/10 (2013.01)**
[25] EN
[54] **PERFUSION BALLOON WITH EXTERNAL VALVE**
[54] **BALLONNET DE PERFUSION AVEC VALVE EXTERNE**
[72] GOMES, GARRETT, US
[72] HEGDE, ANANT, US
[72] KURNIAWAN, JONATHAN, US
[72] MOLL, ANDREW, US
[72] MOORE, CAMERON, US
[72] RADOCHONSKI, SAMUEL, US
[71] C.R. BARD, INC., US
[85] 2018-06-20
[86] 2017-02-28 (PCT/US2017/019872)
[87] (WO2017/151574)
[30] US (15/061,802) 2016-03-04

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[13] A1
[51] **Int.Cl. A61K 35/18 (2015.01) A61K 48/00 (2006.01) A61P 35/00 (2006.01) A61P 37/00 (2006.01) C12N 5/00 (2006.01) G01N 33/50 (2006.01) G01N 35/00 (2006.01)**
[25] EN
[54] **THERAPEUTIC METHODS USING ERYTHROCYTES**
[54] **METHODES THERAPEUTIQUES UTILISANT LES ERYTHROCYTES**
[72] KARSTEN, ELISABETH, AU
[72] HERBERT, BEN, AU
[72] LIDDLE, ALAN, AU
[72] HILL, CAMERON, AU
[71] SANGUI BIO PTY. LTD, AU
[85] 2018-06-21
[86] 2016-12-22 (PCT/AU2016/000404)
[87] (WO2017/106899)
[30] AU (2015905309) 2015-12-22

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[51] **Int.Cl. H04W 4/00 (2018.01) G01D 21/02 (2006.01) G08G 1/123 (2006.01)**
[25] EN
[54] **MOBILE TRANSCEIVER HAVING SELECTABLE TRAVEL MODES AND A METHOD OF OPERATION**
[54] **EMETTEUR-RECEPTEUR MOBILE A MODES DE DEPLACEMENT SELECTIONNABLES ET PROCEDE DE FONCTIONNEMENT**
[72] BARCALA, SERGIO, US
[72] DUPUIS, MICHELLE MARIE, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-06-21
[86] 2016-12-22 (PCT/CA2016/051526)
[87] (WO2017/117653)
[30] US (14/987,313) 2016-01-04

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[51] **Int.Cl. H04W 4/02 (2018.01) H04W 88/02 (2009.01) B65D 88/12 (2006.01) G01D 21/02 (2006.01) G01R 31/00 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR DETECTING AN ABNORMAL ANTENNA CONDITION**
[54] **PROCEDE ET APPAREIL POUR DETECTER UN ETAT D'ANTENNE ANORMAL**
[72] VO, PHILLIP, US
[72] DOSKOW, GEORGE ALBERT, US
[72] KORNELUK, JOSE EDUARDO, US
[72] BERRIZ, SERGIO JAVIER, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-06-21
[86] 2016-12-22 (PCT/CA2016/051528)
[87] (WO2017/117655)
[30] US (14/987,292) 2016-01-04

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[13] A1
[51] **Int.Cl. C12N 5/073 (2010.01) A01N 1/00 (2006.01)**
[25] EN
[54] **METHODS, MEDIA AND PRODUCTS FOR CULTURING EMBRYOS**
[54] **PROCEDES, MILIEUX ET PRODUITS POUR LA CULTURE D'EMBRYONS**
[72] LANE, MICHELLE, AU
[72] ZANDER-FOX, DEIRDRE, AU
[71] THE UNIVERSITY OF ADELAIDE, AU
[71] MONASH IVF GROUP LIMITED, AU
[85] 2018-06-21
[86] 2016-11-24 (PCT/AU2016/051154)
[87] (WO2017/088025)
[30] AU (2015904859) 2015-11-24

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[13] A1
[51] **Int.Cl. C22B 26/12 (2006.01) C22B 3/06 (2006.01)**
[25] EN
[54] **RECOVERY OF LITHIUM FROM SILICATE MINERALS**
[54] **RECUPERATION DE LITHIUM A PARTIR DE MINERAUX SILICATES**
[72] HUNWICK, RICHARD, AU
[71] HUNWICK, RICHARD, AU
[85] 2018-06-21
[86] 2016-12-22 (PCT/AU2016/051278)
[87] (WO2017/106925)
[30] AU (2015905317) 2015-12-22
[30] AU (2016900774) 2016-03-02

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[51] **Int.Cl. C25B 11/02 (2006.01) C25B 1/04 (2006.01) C25B 9/06 (2006.01) C25B 15/00 (2006.01) F02B 43/10 (2006.01) F02M 25/12 (2006.01)**
[25] EN
[54] **ELECTROLYTIC CELL FOR INTERNAL COMBUSTION ENGINE**
[54] **CELLULE ELECTROLYTIQUE POUR MOTEUR A COMBUSTION INTERNE**
[72] BOGERS, TIMOTHY D., CA
[72] LEAN, ARNE R., CA
[72] WILLIAMS, JOSEPH CHARLES, CA
[71] INNOVATIVE HYDROGEN SOLUTIONS, INC., CA
[85] 2018-06-21
[86] 2016-12-20 (PCT/CA2016/051512)
[87] (WO2017/113009)
[30] US (62/272,935) 2015-12-30

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[51] **Int.Cl. G06Q 30/02 (2012.01) G06Q 10/06 (2012.01) H04B 1/59 (2006.01) H04W 4/12 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR TRACKING GUESTS OR COLLECTING FEEDBACK FOR AN ENTERTAINMENT ATTRACTION**
[54] **SYSTEME ET PROCEDE DE SUIVI D'INVITES OU DE COLLECTE DE RETOURS POUR UNE ATTRACTION DE DIVERTISSEMENT**
[72] HEAVEN, EDWIN MICHAEL GYDE, CA
[72] BRIGGS, RICK A., US
[72] CHUTTER, PAUL, CA
[72] HINTON, SEAN THOMAS, CA
[72] MENDELSON, AARON, US
[72] SHEA, KELLY MARGARET, CA
[72] WESTON, DENISE CHAPMAN, US
[71] WHITEWATER WEST INDUSTRIES LTD., CA
[85] 2018-06-21
[86] 2016-12-21 (PCT/CA2016/051522)
[87] (WO2017/106972)
[30] US (62/270,410) 2015-12-21

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[51] **Int.Cl. H04W 4/00 (2018.01) H04W 4/02 (2018.01) G01S 19/16 (2010.01) G01D 21/02 (2006.01)**
[25] EN
[54] **METHOD AND MOBILE TRANSCEIVER FOR ASSET TRACKING**
[54] **PROCEDE, ET EMETTEUR-RECEPTEUR MOBILE, POUR POURSUITE DE BIENS**
[72] KORNELUK, JOSE EDUARDO, US
[72] BERRIZ, SERGIO JAVIER, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-06-21
[86] 2016-12-22 (PCT/CA2016/051525)
[87] (WO2017/117652)
[30] US (14/987,592) 2016-01-04

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[13] A1
[51] **Int.Cl. A61K 31/7125 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NUCLEIC ACID OLIGOMERS AND USES THEREFOR**
[54] **OLIGOMERES D'ACIDES NUCLEIQUES ET LEURS UTILISATIONS**
[72] RICHARD, DEREK, AU
[72] O'BYRNE, KENNETH, AU
[72] CROFT, LAURA, AU
[72] BEARD, SAM, AU
[71] QUEENSLAND UNIVERSITY OF TECHNOLOGY, AU
[85] 2018-06-21
[86] 2016-12-23 (PCT/AU2016/051280)
[87] (WO2017/106926)
[30] AU (2015905380) 2015-12-23

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[13] A1
[51] **Int.Cl. A23C 9/137 (2006.01)**
[25] EN
[54] **USE OF STARCH FOR IMPROVING THE PREPARATION OF A STRAINED FERMENTED DAIRY PRODUCT**
[54] **UTILISATION D'AMIDON POUR AMELIORER LA PREPARATION D'UN PRODUIT LAITIER FERMENTE FILTRE**
[72] BILBAO CALABUIG, MARIA ALMUDENA, ES
[72] FLABBI, PAOLA, ES
[71] DANONE S.A., ES
[85] 2018-06-21
[86] 2015-12-24 (PCT/EP2015/081235)
[87] (WO2017/108140)

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[51] **Int.Cl. B42D 25/36 (2014.01) G06K 19/08 (2006.01) G09F 3/02 (2006.01)**
[25] EN
[54] **SECURITY TAG CONTAINING A PATTERN OF BIOLOGICAL PARTICLES**
[54] **ETIQUETTE DE SECURITE CONTENANT UN MOTIF DE PARTICULES BIOLOGIQUES**
[72] PANTELIC, DEJAN, RS
[72] RABASOVIC, MIHAILO, RS
[72] KRMPOT, ALEKSANDAR, RS
[72] LAZOVIC, VLADIMIR, RS
[72] PAVLOVIC, DANICA, RS
[71] INSTITUTE OF PHYSICS BELGRADE, UNIVERSITY OF BELGRADE, RS
[85] 2018-06-21
[86] 2015-12-30 (PCT/EP2015/081400)
[87] (WO2017/114570)

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[51] **Int.Cl. C01F 5/24 (2006.01)**
[25] EN
[54] **DEHYDROXYLATION OF MAGNESIUM SILICATE MINERALS FOR CARBONATION**
[54] **DESHYDROXYLATION DE MINERAUX DE TYPE SILICATE DE MAGNESIUM A DES FINS DE CARBONATATION**
[72] FARHANG, FAEZEH, AU
[72] KENNEDY, ERIC MILES, AU
[72] STOCKENHUBER, MICHAEL, AU
[72] BRENT, GEOFFREY FREDERICK, AU
[72] RAYSON, MARK STUART, AU
[71] MINERAL CARBONATION INTERNATIONAL PTY LTD, AU
[85] 2018-06-21
[86] 2016-12-23 (PCT/AU2016/051283)
[87] (WO2017/106929)
[30] AU (2015905351) 2015-12-23

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[51] **Int.Cl. B60S 5/00 (2006.01) B25D 1/16 (2006.01)**
[25] EN
[54] **BRAKE IMPACT TOOL**
[54] **OUTIL D'IMPACT DE FREIN**
[72] ROLOF, RICK L., CA
[71] ROLOF, RICK L., CA
[85] 2018-06-21
[86] 2016-12-29 (PCT/CA2016/000324)
[87] (WO2017/113005)
[30] US (62/387,516) 2015-12-30

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[51] **Int.Cl. H01M 4/60 (2006.01) C08F 292/00 (2006.01) H01M 4/04 (2006.01) H01M 4/48 (2010.01) H01M 4/58 (2010.01) H01M 4/62 (2006.01)**
[25] EN
[54] **CORE-SHELL ELECTRODE MATERIAL PARTICLES AND THEIR USE IN ELECTROCHEMICAL CELLS**
[54] **PARTICULES DE MATERIAU D'ELECTRODE A STRUCTURE C□UR-ECORCE ET LEUR UTILISATION DANS DES CELLULES ELECTROCHIMIQUES**
[72] DAIGLE, JEAN-CHRISTOPHE, CA
[72] ASAKAWA, YUICHIRO, CA
[72] UESAKA, SHINICHI, CA
[72] ZAGHIB, KARIM, CA
[72] BEAUPRE, MELANIE, CA
[71] HYDRO-QUEBEC, CA
[71] SONY CORPORATION, JP
[85] 2018-06-20
[86] 2017-01-25 (PCT/CA2017/050075)
[87] (WO2017/127922)
[30] US (62/286,787) 2016-01-25

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[13] A1
[51] **Int.Cl. C07K 14/47 (2006.01)**
[25] EN
[54] **POLYPEPTIDES FOR INHIBITING COMPLEMENT ACTIVATION**
[54] **POLYPEPTIDES POUR L'INHIBITION DE L'ACTIVATION DU COMPLEMENT**
[72] MICHELFELDER, STEFAN, DE
[72] HAFFNER, KARSTEN, DE
[71] GREENOVATION BIOTECH GMBH, DE
[85] 2018-06-13
[86] 2016-12-23 (PCT/EP2016/082614)
[87] (WO2017/109208)
[30] DE (10 2015 016 665.4) 2015-12-23

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[51] **Int.Cl. C07K 14/725 (2006.01) C12N 5/0783 (2010.01) A61K 39/00 (2006.01) A61P 35/00 (2006.01) C07K 14/47 (2006.01)**
[25] EN
[54] **T CELL RECEPTORS SPECIFIC FOR THE NY-ESO-1 TUMOR ANTIGEN-HLA-A*02 COMPLEX**
[54] **RECEPTEURS DE LYMPHOCYTES T SPECIFIQUES DU COMPLEXE DE L'ANTIGENE TUMORAL NY-ESO-1 AVEC HLA-A*02**
[72] CHESTER, FIONA, GB
[72] KNOX, ANDREW ALEXANDER, GB
[72] LOWTHER, JONATHAN PATRICK, GB
[72] PATEL, VIREN VINUBHAI, GB
[72] BASTON, EMMA ELIZABETH, GB
[72] HAGUE, RUTH MARTINEZ, GB
[71] IMMUNOCORE LIMITED, GB
[85] 2018-06-20
[86] 2016-12-22 (PCT/GB2016/054032)
[87] (WO2017/109496)
[30] GB (1522592.3) 2015-12-22

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[13] A1
[51] **Int.Cl. A61K 31/02 (2006.01) B82Y 5/00 (2011.01) A61K 9/107 (2006.01)**
[25] EN
[54] **COMPOSITIONS OF FLUOROCARBON NANOEMULSION, AND METHODS OF PREPARATION AND USE THEREOF**
[54] **COMPOSITIONS DE NANOEMULSION DE FLUOROCARBURE ET PROCEDES DE PREPARATION ET D'UTILISATION ASSOCIES**
[72] UNGER, EVAN C., US
[72] MARINELLI, EDMUND R., US
[71] NUVOX PHARMA LLC, US
[71] UNGER, EVAN C., US
[85] 2018-06-20
[86] 2016-12-20 (PCT/US2016/067650)
[87] (WO2017/112614)
[30] US (62/270,226) 2015-12-21

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[51] **Int.Cl. A61M 5/172 (2006.01) G16H 20/10 (2018.01) A61B 5/145 (2006.01) A61M 5/142 (2006.01) G06F 19/00 (2018.01)**
[25] EN
[54] **OPERATING MULTI-MODAL MEDICINE DELIVERY SYSTEMS**
[54] **FONCTIONNEMENT DE SYSTEMES D'ADMINISTRATION DE MEDICAMENT MULTIMODAL**
[72] MAZLISH, BRYAN, US
[72] DESBOROUGH, LANE, US
[71] BIGFOOT BIOMEDICAL, INC., US
[85] 2018-06-20
[86] 2016-12-20 (PCT/US2016/067676)
[87] (WO2017/120026)
[30] US (62/275,213) 2016-01-05

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[51] **Int.Cl. A61F 7/00 (2006.01) A61F 7/02 (2006.01) A61F 13/02 (2006.01)**
[25] EN
[54] **TEMPERATURE-DEPENDENT ADHESION BETWEEN APPLICATOR AND SKIN DURING COOLING OF TISSUE**
[54] **ADHERENCE DEPENDANT DE LA TEMPERATURE ENTRE UN APPLICATEUR ET LA PEAU PENDANT LE REFROIDISSEMENT DE TISSU**
[72] DEBENEDICTIS, LEONARD C., US
[72] ZENG, LIKE, US
[72] FRANGINEAS, GEORGE, JR., US
[72] JIMENEZ LOZANO, JOEL N., US
[71] ZELTIQ AESTHETICS, INC., US
[85] 2018-06-20
[86] 2017-01-06 (PCT/US2017/012626)
[87] (WO2017/120538)
[30] US (62/276,131) 2016-01-07

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[13] A1
[51] **Int.Cl. H04W 4/00 (2018.01) G01S 19/16 (2010.01) G01D 21/02 (2006.01)**
[25] EN
[54] **METHOD AND MOBILE TRANSCEIVER FOR ASSET TRACKING**
[54] **PROCEDE ET EMETTEUR-RECEPTEUR MOBILE POUR UN SUIVI D'ACTIF**
[72] KORNELUK, JOSE EDUARDO, US
[72] BERRIZ, SERGIO JAVIER, US
[71] BLACKBERRY LIMITED, CA
[85] 2018-06-21
[86] 2016-12-22 (PCT/CA2016/051527)
[87] (WO2017/117654)
[30] US (14/987,331) 2016-01-04

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[51] **Int.Cl. G01N 21/64 (2006.01) A61B 6/00 (2006.01) C09K 11/00 (2006.01) G01J 3/443 (2006.01) G02B 5/04 (2006.01)**
[25] EN
[54] **CONFIGURABLE PLATFORM**
[54] **PLATEFORME CONFIGURABLE**
[72] FENGLER, JOHN JOSEF PAUL, CA
[72] STEAD, ROBERT ANTHONY, CA
[71] NOVADAQ TECHNOLOGIES ULC, CA
[85] 2018-06-21
[86] 2017-01-26 (PCT/CA2017/050083)
[87] (WO2017/127929)
[30] US (62/287,415) 2016-01-26
[30] US (62/354,611) 2016-06-24

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[51] **Int.Cl. A61B 17/128 (2006.01) A61B 17/11 (2006.01)**
[25] EN
[54] **ENDOSCOPIC REPOSABLE SURGICAL CLIP APPLIER**
[54] **APPLICATEUR D'AGRAFE CHIRURGICALE REPOSABLE ENDOSCOPIQUE**
[72] YI, PENG, CN
[72] ZHAO, KUN, CN
[72] XU, SHUNHONG, CN
[72] CHEN, LIN, CN
[71] COVIDIEN LP, US
[85] 2018-06-21
[86] 2016-01-11 (PCT/CN2016/070571)
[87] (WO2017/120734)

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[13] A1
[51] **Int.Cl. F16L 13/14 (2006.01) F16L 33/207 (2006.01) F16L 33/22 (2006.01) F16L 37/138 (2006.01)**
[25] EN
[54] **SLIDING SLEEVE, SLIDING SLEEVE CONNECTION AND METHOD FOR PRODUCING A SLIDING SLEEVE CONNECTION**
[54] **MANCHON COULISSANT, ASSEMBLAGE PAR MANCHON COULISSANT ET PROCEDE DE REALISATION D'UN ASSEMBLAGE PAR MANCHON COULISSANT**
[72] KIRCHBERGER, ANDREAS, DE
[72] SCHAAF, THOMAS, DE
[72] HOMBURG, HAINSI, DE
[72] VOCKS, OLIVER, DE
[71] REHAU AG + CO, DE
[71] REHAU CONSTRUCTION LLC., US
[85] 2018-06-21
[86] 2016-12-19 (PCT/EP2016/002133)
[87] (WO2017/108172)
[30] DE (102015122345.7) 2015-12-21

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[13] A1
[51] **Int.Cl. C22C 9/04 (2006.01)**
[25] EN
[54] **LOW-COST LEAD-FREE DEZINCIFICATION-RESISTANT BRASS ALLOY FOR CASTING**
[54] **ALLIAGE DE LAITON RESISTANT A LA DEZINCIFICATION ET EXEMPT DE PLOMB DE FAIBLE COUT POUR LA COULEE**
[72] HU, ZHENQING, CN
[72] BI, QIU, CN
[72] LONG, JIA, CN
[72] CHENG, YUANHAO, CN
[72] ZHANG, HUAWEI, CN
[72] LV, QING, CN
[71] XIAMEN LOTA INTERNATIONAL CO., LTD., CN
[85] 2018-06-21
[86] 2016-12-21 (PCT/CN2016/111286)
[87] (WO2017/107917)
[30] CN (201510973804.4) 2015-12-22

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[13] A1
[51] **Int.Cl. F16L 13/14 (2006.01) F16L 33/207 (2006.01) F16L 33/22 (2006.01)**
[25] EN
[54] **SLIDING SLEEVE, SLIDING SLEEVE CONNECTION AND METHOD FOR PRODUCING A SLIDING SLEEVE CONNECTION**
[54] **MANCHON COULISSANT, LIAISON PAR MANCHON COULISSANT ET PROCEDE DE REALISATION D'UNE LIAISON PAR MANCHON COULISSANT**
[72] KIRCHBERGER, ANDREAS, DE
[72] SCHAAF, THOMAS, DE
[72] HOMBURG, HANSI, DE
[72] VOCKS, OLIVER, DE
[71] REHAU AG + CO, DE
[71] REHAU CONSTRUCTION LLC., US
[85] 2018-06-21
[86] 2016-12-19 (PCT/EP2016/002134)
[87] (WO2017/108173)
[30] DE (10 2015 122 346.5) 2015-12-21

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[13] A1
[51] **Int.Cl. B01D 65/10 (2006.01) A61M 1/16 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR CHECKING A DIALYZER FOR THE PRESENCE OF A LEAK**
[54] **PROCEDE ET DISPOSITIF DE VERIFICATION DE LA PRESENCE D'UNE FUITE SUR UN DIALYSEUR**
[72] SPICKERMANN, REINER, DE
[72] WIESEN, GERHARD, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[85] 2018-06-21
[86] 2016-12-23 (PCT/EP2016/002182)
[87] (WO2017/108196)
[30] DE (10 2015 016 842.8) 2015-12-23

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[13] A1
[51] **Int.Cl. A61M 5/315 (2006.01)**
[25] EN
[54] **SYRINGE**
[54] **SERINGUE**
[72] HOLMQVIST, ANDERS, SE
[72] BLOMQVIST, MAX, SE
[72] TORNSTEN, JONAS, SE
[71] GALDERMA S.A., CH
[85] 2018-06-21
[86] 2016-12-21 (PCT/EP2016/082077)
[87] (WO2017/114709)
[30] EP (15202927.8) 2015-12-29

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[13] A1
[51] **Int.Cl. A01H 5/10 (2018.01) C12N 15/82 (2006.01) C12Q 1/68 (2018.01)**
[25] EN
[54] **RESTORER PLANT**
[54] **PLANTE RESTAURATRICE**
[72] WILDE, PEER, DE
[72] KORZUN, VIKTOR, DE
[72] MENZEL, JUTTA, DE
[72] ZHOU, RUONAN, DE
[72] STEIN, NILS, DE
[72] HACKAUF, BERND, DE
[71] KWS SAAT SE, DE
[85] 2018-06-21
[86] 2016-12-21 (PCT/EP2016/082268)
[87] (WO2017/109012)
[30] DE (10 2015 016 445.7) 2015-12-21

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[13] A1
[51] **Int.Cl. A23L 33/00 (2016.01) A23L 29/238 (2016.01) A23L 29/25 (2016.01) A23L 33/21 (2016.01) A23L 33/26 (2016.01) A61K 31/736 (2006.01) A61K 36/48 (2006.01) A61P 1/00 (2006.01)**
[25] EN
[54] **COMPOSITION FOR IMPROVING MOUTHFEEL**
[54] **COMPOSITION DESTINEE A AMELIORER LA SENSATION EN BOUCHE**
[72] SLOCUM, SHERRI ANN, US
[72] GREENBERG, NORMAN ALAN, US
[72] HOLTON, SARAH, US
[71] NESTEC S.A., CH
[85] 2018-06-21
[86] 2016-12-22 (PCT/EP2016/082316)
[87] (WO2017/114733)
[30] US (62/273,605) 2015-12-31

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[13] A1
[51] **Int.Cl. C07D 405/04 (2006.01) A61K 31/353 (2006.01) A61P 25/00 (2006.01) C07C 211/00 (2006.01) C07D 205/04 (2006.01) C07D 207/06 (2006.01) C07D 211/32 (2006.01) C07D 265/38 (2006.01) C07D 413/12 (2006.01)**
[25] EN
[54] **FUSED (HETERO)CYCLIC COMPOUNDS AS S1P MODULATORS**
[54] **COMPOSES (HETERO)CYCLIQUES FUSIONNES EN TANT QUE MODULATEURS DE S1P**
[72] AMBERG, WILHELM, DE
[72] LANGE, UDO, DE
[72] GENESTE, HERVE, DE
[72] OCHSE, MICHAEL, DE
[72] BIESINGER, RALF, DE
[72] OELLIEN, FRANK, DE
[71] ABBVIE DEUTSCHLAND GMBH & CO. KG, DE
[85] 2018-06-21
[86] 2016-12-22 (PCT/EP2016/082422)
[87] (WO2017/109095)
[30] US (62/270,624) 2015-12-22

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[13] A1
[51] **Int.Cl. A61B 17/02 (2006.01)**
[25] EN
[54] **LEFT ATRIAL APPENDAGE CLOSURE APPARATUS**
[54] **DISPOSITIF DE FERMETURE DE L'AURICULE DE L'ATRIUM GAUCHE**
[72] CHEN, YILONG, CN
[72] HUANG, WEI, CN
[71] SHENZHEN KYD BIOMEDICAL TECHNOLOGY CO.LTD, CN
[85] 2018-06-21
[86] 2016-12-26 (PCT/CN2016/112062)
[87] (WO2017/114348)
[30] CN (201511003714.9) 2015-12-29
[30] CN (201610119169.8) 2016-03-02

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[54] **USE OF A PROCESS FLUID WITH AN ENVIRONMENTALLY COMPATIBLE BIOSTABILIZER IN A GEOTHERMAL BOREHOLE**
[54] **UTILISATION D'UN FLUIDE DE TRAITEMENT CONTENANT UN BIOSTABILISATEUR ECO-COMPATIBLE DANS UN TROU DE FORAGE GEOTHERMIQUE**
[72] EMERSTORFER, FLORIAN, AT
[72] OMANN, MARKUS, AT
[72] MARIHART, JOHANN, AT
[72] WASTYN, MARNIK MICHEL, AT
[71] AGRANA BETEILIGUNGS-AKTIENGESELLSCHAFT, AT
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[51] **Int.Cl. E21B 25/02 (2006.01) E21B 3/02 (2006.01) E21B 7/04 (2006.01)**
[25] EN
[54] **STEEL CORING DRILLING MACHINE AND GREEN NEW CONSTRUCTION METHOD CAPABLE OF REPLACING TRENCH WELL EXPLORATION**
[54] **APPAREIL DE FORAGE DE CAROTTAGE A CABLE METALLIQUE ET NOUVEAU PROCEDE DE CONSTRUCTION ECOLOGIQUE PERMETTANT REMPLACER DES EXPLORATIONS DE TRANCHEE ET DE PUITS PEU PROFOND**
[72] SHAN, JIUKU, CN
[72] LIU, XIANGXU, CN
[72] WANG, LIANGUO, CN
[72] SHAN, GUANGJIE, CN
[72] ZHOU, DAN, CN
[72] PAN, YONGBO, CN
[72] HAO, WENLI, CN
[72] LI, ZONGMIN, CN
[72] PEI, ZHIYU, CN
[72] FU, YONGTAO, CN
[71] HEILONGJIANG INSTITUTE OF GEOLOGICAL SCIENCES, CN
[85] 2018-06-21
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[54] **COMPOSITIONS COMPRISING NICOTINAMIDE RIBOSIDE AND A UROLITHIN**
[54] **COMPOSITIONS COMPRENANT UN RIBOSIDE DE NICOTINAMIDE ET UNE UROLITHINE**
[72] ANDREUX, PENELOPE, CH
[72] RINSCH, CHRISTOPHER, CH
[71] AMAZENTIS SA, CH
[85] 2018-06-21
[86] 2016-12-23 (PCT/EP2016/082596)
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[30] GB (1522892.7) 2015-12-24
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[51] **Int.Cl. G01N 27/26 (2006.01) B82Y 30/00 (2011.01) G01N 27/30 (2006.01) G01N 33/50 (2006.01)**
[25] EN
[54] **ELECTROCHEMICAL SENSOR AND COATING METHOD, PRODUCTION METHOD AND CORRESPONDING USES**
[54] **CAPTEUR ELECTROCHIMIQUE ET PROCEDE DE REVETEMENT, PROCEDE DE FABRICATION ET UTILISATIONS ASSOCIES**
[72] ARMELIN DIGGROC, ELAINE, ES
[72] FABREGAT JOVE, GEORGINA, ES
[72] LLORCA PIQUE, JORDI, ES
[72] ALEMAN LLANSO, CARLOS, ES
[71] UNIVERSITAT POLITECNICA DE CATALUNYA, ES
[85] 2018-06-21
[86] 2016-11-22 (PCT/ES2016/070832)
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[25] EN
[54] **A METHOD FOR PRODUCING A SIZING AGENT COMPOSITION, A SIZING AGENT COMPOSITION AND USE THEREOF**
[54] **PROCEDE DE PRODUCTION D'UNE COMPOSITION D'AGENT D'ENCOLLAGE, COMPOSITION D'AGENT D'ENCOLLAGE ET UTILISATION DE CELLE-CI**
[72] LEPO, ANNELI, FI
[72] TURUNEN, ELSI, FI
[72] TURKKI, TARJA, FI
[71] KEMIRA OYJ, FI
[85] 2018-06-21
[86] 2016-12-15 (PCT/FI2016/050877)
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[25] EN
[54] **METHOD FOR THE PRODUCTION OF LOW ASH ACTIVATED CHARCOAL**
[54] **PROCEDE DE PRODUCTION DE CHARBON ACTIF A FAIBLE TENEUR EN CENDRES**
[72] TIMONEN, MIKA, FI
[72] LAMBERG, HANNU, FI
[71] VAPO OY, FI
[85] 2018-06-21
[86] 2017-01-09 (PCT/FI2017/050006)
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[25] EN
[54] **SLIDING SLEEVE CONNECTION**
[54] **RACCORD A MANCHON COULISSANT**
[72] HUNDESHAGEN, DORTE, DE
[72] SCHAAF, THOMAS, DE
[72] HOMBURG, HANSI, DE
[72] VOCKS, OLIVER, DE
[72] KIRCHBERGER, ANDREAS, DE
[71] REHAU AG + CO, DE
[71] REHAU CONSTRUCTION LLC., US
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[86] 2016-12-19 (PCT/EP2016/002132)
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[25] EN
[54] **LONG DURABILITY HIGH PERFORMANCE STEEL FOR STRUCTURAL, MACHINE AND TOOLING APPLICATIONS**
[54] **ACIER HAUTE PERFORMANCE DE GRANDE DURABILITE POUR APPLICATIONS STRUCTURALES, MACHINES ET OUTILLAGE**
[72] VALLS, ISAAC, ES
[71] ROVALMA, S.A., ES
[85] 2018-06-21
[86] 2017-01-02 (PCT/EP2017/050039)
[87] (WO2017/109233)
[30] EP (15382664.9) 2015-12-24
[30] EP (16382386.7) 2016-08-04
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[25] EN
[54] **IL-8 INHIBITORS FOR USE IN THE TREATMENT OF CHEMOTHERAPY-INDUCED PERIPHERAL NEUROPATHY**
[54] **INHIBITEURS D'IL-8 DESTINES A ETRE UTILISES DANS LE TRAITEMENT D'UNE NEUROPATHIE PERIPHERIQUE INDUITE PAR LA CHIMIOTHERAPIE**
[72] BRANDOLINI, LAURA, IT
[72] RUFFINI, PIER ADELCHI, IT
[72] ALLEGRETTI, MARCELLO, IT
[71] DOMPE' FARMACEUTICI S.P.A., IT
[85] 2018-06-21
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[25] EN
[54] **ELECTRICAL MACHINE**
[54] **MACHINE ELECTRIQUE**
[72] KASPER, ROLAND, DE
[72] BORCHARDT, NORMAN, DE
[71] OTTO-VON-GUERICKE-UNIVERSITAT MAGDEBURG, DE
[85] 2018-06-21
[86] 2017-01-18 (PCT/EP2017/050949)
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[30] DE (10 2016 100 744.7) 2016-01-18

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[51] **Int.Cl. A61M 11/00 (2006.01) A61M 15/06 (2006.01)**
[25] EN
[54] **CARTRIDGE ASSEMBLY HAVING A SLIDING CARTRIDGE BODY**
[54] **ENSEMBLE CARTOUCHE POSSEDANT UN CORPS DE CARTOUCHE COULISSANT**
[72] SAYGILI, ALI MURAT, CH
[71] PHILIP MORRIS PRODUCTS S.A., CH
[85] 2018-06-21
[86] 2017-01-25 (PCT/EP2017/051542)
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[51] **Int.Cl. G01N 33/574 (2006.01)**
[25] EN
[54] **DETERMINATION OF GLYCOSYLATION SIGNATURE**
[54] **DETERMINATION DE SIGNATURE DE GLYCOSYLATION**
[72] MCCONNELL, IVAN, GB
[72] FITZGERALD, PETER, GB
[72] LAMONT, JOHN, GB
[72] RICHARDSON, CIARAN, IE
[71] RANDOX LABORATORIES LTD, GB
[71] RANDOX TEORANTA, IE
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[86] 2016-12-23 (PCT/GB2016/054074)
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[30] GB (1522839.8) 2015-12-23

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[51] **Int.Cl. H05B 33/08 (2006.01)**
[25] FR
[54] **CONFIGURATION OF THE INTENSITY OF THE LIGHT SOURCES COMPOSING A LIGHTING SYSTEM**
[54] **CONFIGURATION DE L'INTENSITE DES SOURCES DE LUMIERE COMPOSANT UN SYSTEME D'ECLAIRAGE**
[72] BELIN, PATRICK, FR
[72] BAILLY, YANNICK, FR
[71] WATTLUX, FR
[85] 2018-06-21
[86] 2016-12-16 (PCT/FR2016/053499)
[87] (WO2017/109351)
[30] FR (1563327) 2015-12-24

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[51] **Int.Cl. C03C 17/00 (2006.01) C03C 17/34 (2006.01)**
[25] EN
[54] **HIGH STRENGTH GLASS CONTAINERS**
[54] **RECIPIENTS EN VERRE TRES RESISTANTS**
[72] SANDERSON, KEVIN DAVID, GB
[72] RAISBECK, DEBORAH, GB
[71] PILKINGTON GROUP LIMITED, GB
[85] 2018-06-21
[86] 2016-12-29 (PCT/GB2016/054085)
[87] (WO2017/115086)
[30] GB (1523156.6) 2015-12-31

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[51] **Int.Cl. G01N 33/577 (2006.01) G01N 33/68 (2006.01)**
[25] EN
[54] **COMBINED BIOMARKER MEASUREMENT OF FIBROSIS**
[54] **MESURE DE LA FIBROSE PAR UNE ASSOCIATION DE BIOMARQUEURS**
[72] GENOVESE, FEDERICA, DK
[72] NIELSEN, METTE JUUL, DK
[72] LARSEN, LISA, DK
[72] OERSNES-LEEMING, DIANE JULIE, DK
[72] KARSDAL, MORTEN, DK
[71] NORDIC BIOSCIENCE A/S, DK
[85] 2018-06-21
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[87] (WO2017/134172)
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[51] **Int.Cl. C08F 2/44 (2006.01) A61L 27/16 (2006.01) A61L 27/50 (2006.01) C08F 226/10 (2006.01)**
[25] EN
[54] **ELECTRICALLY ACTIVE HYDROPHILIC BIO-POLYMERS**
[54] **BIOPOLYMERES HYDROPHILES ELECTRIQUEMENT ACTIFS**
[72] HIGHGATE, DONALD JAMES, GB
[71] SUPERDIELECTRICS LTD, GB
[85] 2018-06-21
[86] 2016-11-30 (PCT/GB2016/053751)
[87] (WO2017/115064)
[30] GB (1523102.0) 2015-12-30

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[51] **Int.Cl. B60J 3/04 (2006.01)**
[25] EN
[54] **WINDSHIELD WITH ELECTRICALLY CONTROLLABLE SUN VISOR**
[54] **PARE-BRISE DOTE D'UN PARE-SOLEIL A REGLAGE ELECTRIQUE**
[72] LABROT, MICHAEL, DE
[72] LINNHOFER, DIETER, FR
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-06-21
[86] 2017-02-22 (PCT/EP2017/054001)
[87] (WO2017/157626)
[30] EP (16160838.5) 2016-03-17

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[51] **Int.Cl. C04B 35/591 (2006.01) C04B 35/56 (2006.01) C04B 35/573 (2006.01) C04B 35/58 (2006.01) C04B 35/622 (2006.01) C04B 35/628 (2006.01) C04B 35/80 (2006.01)**
[25] FR
[54] **METHOD FOR PRODUCING A CERAMIC FROM A CHEMICAL REACTION**
[54] **PROCEDE DE FABRICATION D'UNE CERAMIQUE A PARTIR D'UNE REACTION CHIMIQUE**
[72] MAILLE, LAURENCE, FR
[72] ROGER, JEROME, FR
[72] LE PETITCORPS, YANN, FR
[72] REIGNIER, BERNARD, FR
[71] SAFRAN CERAMICS, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
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[25] EN
[54] **A HEALTH-MONITOR PATCH**
[54] **TIMBRE DE SURVEILLANCE DE SANTE**
[72] QUINLAN, THOMAS J., US
[72] GAUDET, PAUL J., US
[72] OHLENBUSCH, NORBERT, US
[72] ZHANG, JIANWEI, US
[72] OLIVER, STEVEN R., US
[72] BLACKADAR, THOMAS P., US
[72] MONAHAN, DAVID, US
[72] PEABODY, GOODALL DAVID, III, US
[72] MACLEAN, JOHN EDGAR, US
[71] LUMIRADX UK LIMITED, GB
[85] 2018-06-21
[86] 2016-08-17 (PCT/EP2016/069546)
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[51] **Int.Cl. C03C 17/00 (2006.01) C03C 17/245 (2006.01)**
[25] EN
[54] **HIGH STRENGTH GLASS CONTAINERS**
[54] **RECIPIENTS EN VERRE TRES RESISTANTS**
[72] SANDERSON, KEVIN DAVID, GB
[72] RAISBECK, DEBORAH, GB
[71] PILKINGTON GROUP LIMITED, GB
[85] 2018-06-21
[86] 2016-12-29 (PCT/GB2016/054086)
[87] (WO2017/115087)
[30] GB (1523160.8) 2015-12-31

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[51] **Int.Cl. C01B 17/16 (2006.01) B01J 19/00 (2006.01) C01B 17/22 (2006.01) C01D 5/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR GENERATING H2S IN AN ALKALINE MEDIUM AND METHOD OF USING THE SAME**
[54] **SYSTEME DE GENERATION DE H2S DANS UN MILIEU ALCALIN ET PROCEDE D'UTILISATION ASSOCIE**
[72] JALBOUT, ABRAHAM FOUAD, MX
[71] METOXS PTE. LTD., SG
[85] 2018-06-21
[86] 2016-12-23 (PCT/IB2016/057992)
[87] (WO2017/115260)
[30] US (62/271,263) 2015-12-27
[30] US (62/276,966) 2016-01-11

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[25] FR
[54] **LEADING EDGE SHIELD**
[54] **BOUCLIER DE BORD D'ATTAQUE**
[72] GUIVARC'H, JEREMY, FR
[72] BASSOT, ALAIN JACQUES MICHEL, FR
[72] DIOGO, GERALD, FR
[72] ROMERO, JEAN-LOUIS, FR
[72] RUF, THIBAULT, FR
[71] SAFRAN AIRCRAFT ENGINES, FR
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[51] **Int.Cl. B32B 17/10 (2006.01) C03C 27/12 (2006.01)**
[25] EN
[54] **COMPOSITE PANE HAVING ELECTRICALLY CONDUCTIVE COATING FOR A HEAD-UP DISPLAY**
[54] **VITRE COMPOSITE DOTEE D'UN REVETEMENT ELECTROCONDUCTEUR POUR UN DISPOSITIF D'AFFICHAGE TETE HAUTE**
[72] SCHULZ, VALENTIN, DE
[72] SCHALL, GUNTHER, DE
[71] SAINT-GOBAIN GLASS FRANCE, FR
[85] 2018-06-21
[86] 2017-03-01 (PCT/EP2017/054735)
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[30] EP (16160839.3) 2016-03-17

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[51] **Int.Cl. A61F 5/445 (2006.01)**
[25] EN
[54] **SPHINCTER-TYPE INTESTINAL VALVE**
[54] **VALVE INTESTINALE DE TYPE SPHINCTER**
[72] ALVAREZ PONCE, CARLOS EDUARDO, MX
[71] ALVAREZ PONCE, CARLOS EDUARDO, MX
[85] 2018-06-21
[86] 2017-01-27 (PCT/IB2017/000045)
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[30] MX (MX/a/2016/001395) 2016-01-29
[30] MX (MX/a/2017/001193) 2017-01-26

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[51] **Int.Cl. G06F 3/0481 (2013.01) G06F 9/44 (2018.01)**
[25] EN
[54] **THEME DATA**
[54] **DONNEES THEMATIQUES**
[72] MULLEN, MARK, GB
[71] ATOM BANK PLC, GB
[85] 2018-06-21
[86] 2016-12-23 (PCT/GB2016/054055)
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[30] GB (1522912.3) 2015-12-24

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[25] EN
[54] **A METHOD OF GENERATING AN ANTIBODY NAIVE LIBRARY, SAID LIBRARY AND APPLICATION(S) THEREOF**
[54] **PROCEDE DE GENERATION D'UNE BANQUE D'ANTICORPS NAIFS, LADITE BANQUE ET SON/SES APPLICATION/S**
[72] CHATTERJEE, SOHANG, US
[72] RODRIGUES, KAVITHA IYER, IN
[72] GHOSH, MALOY, IN
[72] MAITY, SUNIT, IN
[72] UNNIKRISHNAN, DIVYA, IN
[72] BANGALORE MUNIRAJU, YOGENDRA MANJUNATH, IN
[72] MURUGESAN, SATHYABALAN, IN
[72] MUKUNDA, PAVITHRA, IN
[72] PRASAD, BHARGAV, IN
[72] KAMANAGOWDA, VEERESHA, IN
[72] BHATTACHARJEE, SANGHAMITRA, IN
[72] DAKSHINAMURTHY, PRAVIN KUMAR, IN
[72] HALAN, VIVEK, IN
[72] SRINIVASAN, SANKARANARAYANAN, IN
[72] HORA, ANURADHA, IN
[72] NATARAJAN, BAIRAVABALAKUMAR, IN
[72] NAIR, KARTHIKA, IN
[72] THANIGAIVEL, ASWINI, IN
[72] MALIWALAVE, AMOL, IN
[72] SHENOY, BHARATH RAVINDRA, IN
[72] RAO, SAHANA BHIMA, IN
[72] CHAKRABARTY, SUBHRA PRAKASH, IN
[72] DUBEY, ASHVINI KUMAR, IN
[72] KHAN, AMIR, IN
[72] TIWARI, ANURAG, IN
[72] KUMAR, SANTOSH, IN
[72] PATEL, SHIVANI, IN
[72] M, NIKITHA, IN
[71] ZUMUTOR BIOLOGICS, INC., US
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[86] 2016-12-21 (PCT/IB2016/057872)
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[30] IN (6808/CHE/2015) 2015-12-21

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[51] **Int.Cl. A61L 24/10 (2006.01) A61P 7/04 (2006.01) A61P 17/02 (2006.01)**
[25] EN
[54] **METHODS, COMPOSITIONS AND KITS FOR REDUCING TISSUE ADHESIONS**
[54] **PROCEDES, COMPOSITIONS ET KITS POUR REDUIRE LES ADHESIONS TISSULAIRES**
[72] PILPEL, YAIR, IL
[71] EIO BIOMEDICAL LTD, IL
[85] 2018-06-21
[86] 2017-01-06 (PCT/IB2017/000060)
[87] (WO2017/118910)
[30] US (62/275,783) 2016-01-07
[30] US (62/319,807) 2016-04-08

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[51] **Int.Cl. G06F 17/30 (2006.01)**
[25] EN
[54] **CREATING INTUITIVE FAVORITES FOR USERS**
[54] **CREATION DE FAVORIS INTUITIFS POUR DES UTILISATEURS**
[72] KALIAMOORTHI, AMUDHA, IN
[72] LAKSHMI SHARAN LAL, DHARMVEER, IN
[71] NAGRAVISION S.A., CH
[85] 2018-06-21
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[87] (WO2017/130063)
[30] US (15/009,651) 2016-01-28

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[25] EN
[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET SON PROCEDE DE COMMANDE**
[72] YAGUCHI, TATSUYA, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-06-21
[86] 2016-11-14 (PCT/JP2016/083704)
[87] (WO2017/110303)
[30] JP (2015-254211) 2015-12-25

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[51] **Int.Cl. C22C 38/58 (2006.01) C21D 8/02 (2006.01) C22C 38/42 (2006.01) C22C 38/44 (2006.01) C22C 38/46 (2006.01) C22C 38/48 (2006.01) C22C 38/50 (2006.01) C22C 38/54 (2006.01)**
[25] EN
[54] **STEEL MATERIAL HAVING EXCELLENT HYDROGEN INDUCED CRACKING (HIC) RESISTANCE FOR PRESSURE VESSEL AND MANUFACTURING METHOD THEREFOR**
[54] **MATERIAU EN ACIER AYANT UNE EXCELLENTE RESISTANCE A LA FISSURATION PAR L'HYDROGENE (HIC) POUR RECIPIENT SOUS PRESSION ET PROCEDE DE FABRICATION ASSOCIE**
[72] KIM, DAE-WOO, KR
[71] POSCO, KR
[85] 2018-06-21
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[54] **FUEL CELL SYSTEM AND CONTROL METHOD FOR FUEL CELL SYSTEM**
[54] **SYSTEME DE PILE A COMBUSTIBLE ET PROCEDE DE COMMANDE DE SYSTEME DE PILE A COMBUSTIBLE**
[72] SHIOMI, TAKESHI, JP
[71] NISSAN MOTOR CO., LTD., JP
[85] 2018-06-21
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[25] EN
[54] **AUSTENITIC STEEL MATERIAL HAVING EXCELLENT HYDROGEN-EMBRITTLEMENT RESISTANCE**
[54] **MATERIAU EN ACIER AUSTENITIQUE PRESENTANT UNE EXCELLENTE RESISTANCE A LA FRAGILISATION PAR L'HYDROGENE**
[72] LEE, SOON-GI, KR
[72] KIM, SUNG-KYU, KR
[72] KANG, SANG-DEOK, KR
[71] POSCO, KR
[85] 2018-06-21
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[25] EN
[54] **ROUTER HAVING REMOVABLE CELL PACK**
[54] **ROUTEUR COMPRENANT UN BLOC CELLULAIRE AMOVIBLE**
[72] CHARETTE, KEITH, US
[71] VENTUS NETWORKS LLC, US
[85] 2018-06-21
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[54] **REUSABLE VESSEL**
[54] **RECIPIENT REUTILISABLE**
[72] DHAWAN, SUMEET, US
[72] ERLE, ULRICH JOHANNES, US
[72] HEINZE, ERICH, US
[72] KUNETZ, CHRISTINE FRANCES, US
[71] NESTEC S.A., CH
[85] 2018-06-21
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[54] **METHODS AND APPARATUS FOR GRANT PROCESSING**
[54] **PROCEDES ET APPAREIL DE TRAITEMENT D'AUTORISATION**
[72] LUO, TAO, US
[72] ANG, PETER PUI LOK, US
[72] JIANG, JING, US
[71] QUALCOMM INCORPORATED, US
[85] 2018-06-21
[86] 2016-12-06 (PCT/US2016/065211)
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[25] EN
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[54] **ENSEMBLE DE RACCORDEMENT POUR COUPLER UN SYSTEME D'ENTRAINEMENT AUXILIAIRE A UN FAUTEUIL ROULANT POUR PERSONNES HANDICAPEES**
[72] BENEDINI, ANTONIO, IT
[71] KLAXON MOBILITY GMBH, AT
[85] 2018-06-21
[86] 2017-03-31 (PCT/IB2017/051860)
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[54] **PREPARATION COMPOSITE PHARMACEUTIQUE**
[72] RYU, JEI-MAN, KR
[72] PARK, WOO-ILE, KR
[72] KANG, KYOUNG-HWAN, KR
[72] KIM, WOO-KYUNG, KR
[72] CHAE, AH-REUM, KR
[72] KIM, SOO-WON, KR
[72] JUNG, HYUN-WOO, KR
[72] LEE, JAE-YOUNG, KR
[71] SHIN POONG PHARMACEUTICAL CO., LTD., KR
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[25] EN
[54] **NOVEL POLYCHLOROPRENE COMPOSITIONS**
[54] **NOUVELLES COMPOSITIONS DE POLYCHLOROPRENE**
[72] NASREDDINE, VICTOR, DE
[72] STANGE, HEINER, DE
[72] SARY, NICOLAS, DE
[72] SCHNEIDER, MARTIN, DE
[72] VARNHORN, KAY, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
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[25] EN
[54] **OBSCURING BUS BARS IN ELECTROCHROMIC GLASS STRUCTURES**
[54] **DISSIMULATION DE BARRES OMNIBUS DE STRUCTURES EN VERRE ELECTROCHROMIQUE**
[72] ROZBICKI, ROBERT T., US
[72] JACK, GORDON, US
[72] MEHTANI, DISHA, US
[72] FRIEDMAN, ROBIN, US
[71] VIEW, INC., US
[85] 2018-06-21
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[25] EN
[54] **METHODS AND COMPOSITIONS OF INSECT CONTROL**
[54] **PROCEDES ET COMPOSITIONS DE LUTTE CONTRE LES INSECTES**
[72] ARHANCET, JUAN PEDRO HUMBERTO, US
[72] KILLMER, JOHN L., US
[72] MCLAUGHLIN, PATRICK D., US
[71] APSE, INC., US
[85] 2018-06-21
[86] 2016-12-07 (PCT/US2016/065408)
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[25] EN
[54] **LOW TEMPERATURE CROSS LINKABLE POLYCHLOROPRENE COMPOSITIONS**
[54] **COMPOSITIONS DE POLYCHLOROPRENE RETICULABLES A BASSES TEMPERATURES**
[72] NASREDDINE, VICTOR, DE
[72] SARY, NICOLAS, DE
[72] SCHNEIDER, MARTIN, DE
[71] ARLANXEO DEUTSCHLAND GMBH, DE
[85] 2018-06-21
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[54] **MODIFIED POLYOLEFIN RESIN**
[54] **RESINE POLYOLEFINIQUE MODIFIEE**
[72] KOMOTO, NAOSUKE, JP
[71] NIPPON PAPER INDUSTRIES CO., LTD., JP
[85] 2018-06-21
[86] 2016-12-14 (PCT/JP2016/087289)
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[25] EN
[54] **HETEROCYCLIC COMPOUNDS AS IMMUNOMODULATORS**
[54] **COMPOSES HETEROCYCLIQUES UTILISES COMME IMMUNOMODULATEURS**
[72] LAJKIEWICZ, NEIL, US
[72] WU, LIANGXING, US
[72] YAO, WENQING, US
[71] INCYTE CORPORATION, US
[85] 2018-06-21
[86] 2016-12-21 (PCT/US2016/067925)
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[25] EN
[54] **ROLL INCLUDING AIR AND WATER BARRIER ARTICLE AND METHOD OF USING THE SAME**
[54] **ROULEAU COMPRENANT UN ARTICLE DE BARRIERE VIS-A-VIS DE L'AIR ET DE L'EAU ET SON PROCEDE D'UTILISATION**
[72] SEABAUGH, TAYLOR M., US
[72] WIDENBRANT, MARTIN J.O., US
[72] FRONEK, DANIEL R., US
[72] KUMAR, KANTA, US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
[85] 2018-06-21
[86] 2016-12-21 (PCT/US2016/067993)
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[25] EN
[54] **CHEMICAL COMPOSITION FOR PRODUCTION OF HOLLOW SPHERICAL GLASS PARTICLES WITH HIGH COMPRESSIVE STRENGTH**
[54] **COMPOSITION CHIMIQUE POUR LA PRODUCTION DE PARTICULES DE VERRE SPHERIQUES CREUSES A HAUTE RESISTANCE A LA COMPRESSION**
[72] ISAEV, ALEXANDER, AT
[71] ADF MATERIALS GMBH, AT
[85] 2018-06-21
[86] 2016-12-20 (PCT/EP2016/081985)
[87] (WO2017/108831)
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[25] EN
[54] **WELDING POWER SUPPLY WITH INTERLEAVED INVERTER CIRCUITRY**
[54] **ALIMENTATION ELECTRIQUE DE SOUDAGE A CIRCUITS INVERSEURS ENTRELACES**
[72] MANTHE, ALAN ADAM, US
[72] KNOENER, CRAIG STEVEN, US
[71] ILLINOIS TOOL WORKS INC., US
[85] 2018-06-21
[86] 2016-12-09 (PCT/US2016/065778)
[87] (WO2017/116654)
[30] US (62/274,117) 2015-12-31
[30] US (62/286,764) 2016-01-25
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[25] EN
[54] **PROCESS AND INTERMEDIATES FOR PREPARATION OF THIAZINE DERIVATIVES**
[54] **PROCEDE ET INTERMEDIAIRES POUR LA PREPARATION DE DERIVES DE THIAZINE**
[72] ONODERA, NAOHIRO, JP
[72] NOGUCHI, KOUICHI, JP
[72] ANDO, SHIGERU, JP
[72] NAGAMATSU, DAIKI, JP
[72] ISHIBASHI, KENICHI, JP
[72] OCHI, SHUNSUKE, JP
[72] HASEGAWA, AIKO, JP
[72] ODA, KATSUO, JP
[71] SHIONOGI & CO., LTD., JP
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[54] **SOY SAUCE-LIKE LIQUID SEASONING AND METHOD FOR PRODUCING SAME**
[54] **LIQUIDE D'ASSAISONNEMENT DU TYPE SAUCE SOJA ET SON PROCEDE DE FABRICATION**
[72] TAKEICHI, JUNYA, JP
[72] KOMURA, AKITOSHI, JP
[72] NAKAHARA, TAKEHARU, JP
[71] KIKKOMAN CORPORATION, JP
[85] 2018-06-21
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[54] **SPINNING METHOD AND SPINNING DEVICE**
[54] **PROCEDE DE FILAGE ET DISPOSITIF DE FILAGE**
[72] YAGURA, YASUSHIGE, JP
[72] KUWAHARA, HIROYUKI, JP
[72] OHMORI, GAKU, JP
[71] TEIJIN PHARMA LIMITED, JP
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[51] **Int.Cl. A47C 1/024 (2006.01) A47C 3/026 (2006.01)**
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[54] **CHAIR AND SEAT SUPPORT MECHANISM**
[54] **MECANISME DE SUPPORT DE SIEGE ET CHAISE**
[72] YAJIMA, TOSHIKI, JP
[72] SUGANO, TAKAO, JP
[72] SHIBAMOTO, YASUHIRO, JP
[72] XU, FEI, JP
[71] KOKUYO CO., LTD., JP
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[25] FR
[54] **METHOD FOR MONITORING THE AGEING OF A LANDING GEAR OF AN AIRCRAFT**
[54] **PROCEDE DE SURVEILLANCE DU VIEILLISSEMENT D'UN TRAIN D'ATTERRISSAGE D'UN AERONEF**
[72] VINSON, GARANCE, FR
[72] FANTON, NICOLAS, FR
[72] TINE, PIERRE-JEAN, FR
[72] VITRY, SULLY, FR
[72] LOUSTAUDAUDINE, CHRISTOPHE, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[71] SAFRAN LANDING SYSTEMS, FR
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[54] **NOVEL ANTI-MMP16 ANTIBODIES AND METHODS OF USE**
[54] **NOUVEAUX ANTICORPS ANTI-MMP16 ET METHODES D'UTILISATION**
[72] ROY, SOMDUTTA, US
[72] WILLIAMS, SAMUEL A., US
[72] DYLLA, SCOTT J., US
[72] HUANG, ZHAO, US
[72] SAUNDERS, LAURA, US
[72] LIU, DAVID, US
[72] FRANKLIN, CASEY, US
[72] COELHO, DAVID, US
[71] ABBVIE STEMCENTRX LLC, US
[85] 2018-06-21
[86] 2016-12-21 (PCT/US2016/068103)
[87] (WO2017/112803)
[30] US (62/270,846) 2015-12-22
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[25] EN
[54] **PHENYLIMIDAZOLE COMPOUND**
[54] **COMPOSE DE PHENYLIMIDAZOLE**
[72] IWATA, KOUSHI, JP
[72] SHIBUTANI, TADAO, JP
[72] KIDO, SATOSHI, JP
[72] MORI, DAISUKE, JP
[72] YOSHIOKA, HIDENORI, JP
[72] NAKATA, HIKARU, JP
[72] ISHIMARU, AKIKO, JP
[71] OTSUKA PHARMACEUTICAL FACTORY, INC., JP
[85] 2018-06-21
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[25] EN
[54] **METHOD FOR SELECTIVELY SYNTHESIZING CATIONIC LIPIDS**
[54] **PROCEDE DE SYNTHESE SELECTIVE DES LIPIDES CATIONIQUES**
[72] CHOI, SUNGWON, KR
[72] NAM, HYE YEONG, KR
[72] SEO, MIN-HYO, KR
[71] SAMYANG BIOPHARMACEUTICALS CORPORATION, KR
[85] 2018-06-21
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[30] KR (10-2015-0189843) 2015-12-30

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[51] **Int.Cl. A01K 97/12 (2006.01) A01K 97/00 (2006.01)**
[25] EN
[54] **METHODS AND SYSTEMS FOR MONITORING RECREATION ACTIVITIES**
[54] **PROCEDES ET SYSTEMES DE SURVEILLANCE D'ACTIVITES DE LOISIRS**
[72] BLACKADAR, THOMAS, US
[72] WILSON, NIC, US
[72] CORBETT, TERRENCE, US
[72] BLOOMER, LANDON, US
[71] ANGLER LABS INC., US
[85] 2018-06-21
[86] 2016-12-21 (PCT/US2016/068035)
[87] (WO2017/112778)
[30] US (62/270,383) 2015-12-21
[30] US (62/308,065) 2016-03-14
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[51] **Int.Cl. A61K 39/395 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **NOVEL ANTI-UPK1B ANTIBODIES AND METHODS OF USE**
[54] **NOUVEAUX ANTICORPS ANTI-UPK1B ET METHODES D'UTILISATION**
[72] MCKNIGHT, KRISTEN, US
[72] FONG, SARAH, US
[72] ANDERSON, WADE, US
[72] SANTAGUIDA, MARIANNE, US
[72] WILLIAMS, SAMUEL A., US
[72] HUANG, ZHAO, US
[72] KIM, EARL, US
[72] COELHO, DAVID, US
[72] STULL, ROBERT A., US
[71] ABBVIE STEMCENTRX LLC, US
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[86] 2016-12-21 (PCT/US2016/068146)
[87] (WO2017/112829)
[30] US (62/270,993) 2015-12-22
[30] US (62/430,191) 2016-12-05

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[54] **IMPLANTABLE SENSOR APPARATUS AND METHODS**
[54] **APPAREIL CAPTEUR IMPLANTABLE ET PROCEDES ASSOCIES**
[72] LUCISANO, JOSEPH, US
[72] WILENSKY, JONATHAN, US
[72] ENGLER, ROBERT, US
[71] GLYSENS INCORPORATED, US
[85] 2018-06-21
[86] 2016-12-28 (PCT/US2016/068997)
[87] (WO2017/117283)
[30] US (14/982,346) 2015-12-29

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[51] **Int.Cl. B65D 41/12 (2006.01) B65D 41/00 (2006.01) B65D 41/02 (2006.01) B65D 41/04 (2006.01) B65D 41/08 (2006.01)**
[25] EN
[54] **METALLIC CROWN CAP WITH SHORT CLOSURE SKIRT**
[54] **COUVERCLE COURONNE METALLIQUE AVEC JUPE DE FERMETURE COURTE**
[72] ROBLES GONZALEZ, GILBERTO, MX
[72] RODRIGUEZ BALBUENA, ERIC GERARDO, MX
[72] SEGURA RUIZ, ROMUALDO, MX
[71] FABRICAS MONTERRERY, S.A. DE C.V., MX
[71] ROBLES GONZALEZ, GILBERTO, MX
[71] RODRIGUEZ BALBUENA, ERIC GERARDO, MX
[71] SEGURA RUIZ, ROMUALDO, MX
[85] 2018-06-21
[86] 2016-05-20 (PCT/MX2016/000049)
[87] (WO2017/111571)
[30] MX (MX/a/2015/018006) 2015-12-21

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[13] A1
[51] **Int.Cl. G01N 1/00 (2006.01)**
[25] EN
[54] **A METHOD TO IDENTIFY AN APPROACH FOR ACHIEVING MAMMALIAN FERTILIZATION AND TIME PERIOD FOR INSEMINATION**
[54] **PROCEDE D'IDENTIFICATION D'UNE APPROCHE PERMETTANT DE REALISER UNE FECONDATION CHEZ LES MAMMIFERES ET D'IDENTIFICATION DE LA PERIODE D'INSEMINATION**
[72] TRAVIS, ALEXANDER J., US
[72] CARDONA, CRISTINA, US
[72] MOODY, MELISSA A., US
[72] SIMPSON, ALANA J., US
[72] OSTERMEIER, G. CHARLES, US
[71] ANDROVIA LIFE SCIENCES LLC, US
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[54] **PRECONDITIONING FLOW TO AN ELECTRICAL SUBMERSIBLE PUMP**
[54] **RECONDITIONNEMENT DE FLUX VERS UNE POMPE SUBMERSIBLE ELECTRIQUE**
[72] XIAO, JINJIANG, SA
[72] EJIM, CHIDIRIM ENOCH, SA
[71] SAUDI ARABIAN OIL COMPANY, SA
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[51] **Int.Cl. G06F 17/30 (2006.01) G06Q 50/22 (2018.01)**
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[54] **HEALTH MANAGEMENT SYSTEM WITH MULTIDIMENSIONAL PERFORMANCE REPRESENTATION**
[54] **SYSTEME DE GESTION DE SANTE AVEC REPRESENTATION DE PERFORMANCE MULTIDIMENSIONNELLE**
[72] AVERILL, RICHARD F., US
[72] FULLER, RICHARD L., US
[72] MCCULLOUGH, ELIZABETH C., US
[72] MITCHELL, KEITH C., US
[72] GARRISON, GARRI L., US
[71] 3M INNOVATIVE PROPERTIES COMPANY, US
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[54] **SPECULUM VAGINAL A CONCEPTION ERGONOMIQUE**
[72] NAIGAMWALLA, DARIUS, US
[72] SELF, FAHTI, US
[72] LALLI, MARIA, US
[72] VELLA, ETHAN, US
[72] THOMPSON, CHASE, US
[71] CEEK ENTERPRISES, US
[85] 2018-06-21
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[54] **MULTI-LAYER FILMS AND METHODS OF MANUFACTURING THE SAME**
[54] **FILMS MULTICOUCHES ET PROCEDES DE FABRICATION DE CES FILMS**
[72] LEE, THOMAS R., US
[72] HOWELLS, SCOTT, US
[72] MEYER, JASON, US
[72] BRIGHT, RUSTY, US
[71] COVERIS HOLDING CORP., US
[85] 2018-06-21
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[54] **BONDING CLAMP**
[54] **ATTACHE DE LIAISON**
[72] MARTIN, EVAN RONALD, US
[71] HUBBELL INCORPORATED, US
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[51] **Int.Cl. H04W 36/00 (2009.01)**
[25] EN
[54] **SYSTEM AND METHOD FOR SEAMLESS MOBILITY OF USER SESSIONS WITH MULTI-ACCESS CONNECTIVITY**
[54] **SYSTEME ET PROCEDE POUR UNE MOBILITE SANS DISCONTINUITE DE SESSIONS D'UTILISATEUR AVEC CONNECTIVITE A ACCES MULTIPLES**
[72] KOODLI, RAJEEV, US
[72] SIPRA, HASSAN, US
[72] KALAPATAPU, DUTT, US
[71] GOOGLE LLC, US
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[54] **ORIENTATION DE CONCEPTION COMPOSITE**
[72] DUNCAN, BRAD, US
[72] SHESTOPALOV, ANDREA, US
[71] EXA CORPORATION, US
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[54] **BIBLIOTHEQUES DE CAPSIDES VIRALES MUTANTES ET SYSTEMES ET PROCEDES ASSOCIES**
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[25] EN
[54] **WEARABLE AUTOMATIC INJECTION DEVICE AND RELATED METHODS OF ASSEMBLY AND USE**
[54] **DISPOSITIF D'INJECTION AUTOMATIQUE PORTABLE ET PROCEDES D'ASSEMBLAGE ET D'UTILISATION ASSOCIES**
[72] GALITZ, CHARLES M., US
[72] ABRAHAMSON, KENT, US
[72] MCLENNAN, KEVIN P., US
[71] ABBVIE INC., US
[85] 2018-06-21
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[54] **A CHAIR AND COMPONENTS**
[54] **CHAISE ET ELEMENTS**
[72] PARKER, KENT WALLACE, NZ
[72] COLLINGS, MARTYN WALTER GOODWIN, NZ
[72] O'HARA, WAYNE DOUGLAS, NZ
[72] YOUNG, AARON MICHAEL, NZ
[72] STEVENSON, PAUL JAMES, NZ
[72] BATEMAN, GAVIN JAMES, NZ
[72] LIN, KAI XI, NZ
[71] FORMWAY FURNITURE LIMITED, NZ
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[54] **PAILLE PRE-REMPLIE POURVUE D'UNE FERMETURE DE VANNE A FENTE TRANSVERSALE SUR LES DEUX EXTREMITES**
[72] NOLIMAL, BORIS, SI
[71] SISTEKS D.O.O., SI
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[54] **DISPOSITIF D'INTUBATION**
[72] BARTOZZI, LENNON KEITH, US
[71] BARTOZZI, LENNON KEITH, US
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[54] **CFTR REGULATORS AND METHODS OF USE THEREOF**
[54] **REGULATEURS CFTR ET LEURS METHODES D'UTILISATION**
[72] VERKMAN, ALAN, US
[72] LEVIN, MARC H., US
[72] CIL, ONUR, US
[72] LEE, SUJIN, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[54] **CONTOUR SHEETS AND METHODS OF MAKING THEREOF**
[54] **HOUSSE DE CONTOUR ET SON PROCEDE DE FABRICATION**
[72] MITTAL, KHUSHBOO, US
[72] KANDHASAMY, MOHAN MEIYAPPAN, US
[71] SYSCO GUEST SUPPLY, LLC, US
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[54] **BREAD QUALITY PROTEIN AND METHODS OF USE**
[54] **PROTEINE DE QUALITE POUR LE PAIN ET PROCEDES D'UTILISATION**
[72] HENRY, ROBERT, AU
[71] THE UNIVERSITY OF QUEENSLAND, AU
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[54] **ENCEINTE BLINDEE COMPRENANT UN JOINT A TRAJET TORTUEUX**
[72] ELIZONDO, PAUL M., II, US
[71] MEPS REAL-TIME,INC., US
[85] 2018-06-21
[86] 2016-12-30 (PCT/US2016/069450)
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[25] EN
[54] **WARM ROLLING OF STEELS CONTAINING METASTABLE AUSTENITE**
[54] **LAMINAGE A CHAUD D'ACIERS CONTENANT DE L'AUSTENITE METASTABLE**
[72] GILL, AMRINDER SIGH, US
[71] AK STEEL PROPERTIES, INC., US
[85] 2018-06-21
[86] 2017-01-17 (PCT/US2017/013717)
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[54] **INSERTABLE SLEEVE FOR SPECULUM AND USE THEREOF**
[54] **MANCHON POUVANT ETRE INTRODUIT POUR SPECULUM ET SON UTILISATION**
[72] LALLI, MARIA, US
[72] SELF, FAITH, US
[72] NAIGAMWALLA, DARIUS, US
[71] CEEK ENTERPRISES, US
[85] 2018-06-21
[86] 2016-12-28 (PCT/US2016/069047)
[87] (WO2017/117312)
[30] US (62/272,619) 2015-12-29
[30] US (62/281,694) 2016-01-21
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[51] **Int.Cl. A61K 8/24 (2006.01) A61K 8/19 (2006.01) A61Q 11/00 (2006.01)**
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[54] **ORAL CARE COMPOSITIONS**
[54] **COMPOSITIONS DE SOINS BUCCAUX**
[72] NAWROCKI, SHIRI, US
[72] DUBOVOY, VIKTOR, US
[72] PAN, LONG, US
[72] HAO, ZHIGANG, US
[72] DOGU, NIHAL, US
[71] COLGATE-PALMOLIVE COMPANY, US
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[54] **DETECTION OF BLOCKAGE IN A POROUS MEMBER**
[54] **DETECTION DE BLOCAGE DANS UN ELEMENT POREUX**
[72] MILLER, JERIN, US
[72] SHERRY, RYAN ALAN, US
[72] SEXTON, ROBERT KEVIN, US
[72] UBER, ROBERT ERIC, US
[71] MSA TECHNOLOGY, LLC, US
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[30] US (62/291,823) 2016-02-05
[30] US (15/394,566) 2016-12-29
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[51] **Int.Cl. B05B 1/16 (2006.01) E03C 1/04 (2006.01)**
[25] EN
[54] **SPRAY DEVICES AND UNITARILY FORMED COMPONENTS THEREOF**
[54] **DISPOSITIFS DE PULVERISATION ET COMPOSANTS FORMES DE MANIERE UNITAIRE ASSOCIES**
[72] MOEHRING, THOMAS D., US
[72] SPOSIT, JAMES J., US
[71] MOEN INCORPORATED, US
[85] 2018-06-21
[86] 2016-12-23 (PCT/US2016/068590)
[87] (WO2017/117072)
[30] US (62/272,303) 2015-12-29

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[25] EN
[54] **LABEL-FREE CHARACTERIZATION OF PARTICLES SUSPENDED IN A FLUID**
[54] **CARACTERISATION SANS MARQUEUR DE PARTICULES EN SUSPENSION DANS UN FLUIDE**
[72] BASHIR, RASHID, US
[72] REDDY, BOBBY, JR., US
[72] GHONGE, TANMAY, US
[72] HASSAN, UMER, US
[72] DURACK, GARY, US
[72] DAMHORST, GREGORY, US
[71] THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, US
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[51] **Int.Cl. F04B 47/06 (2006.01)**
[25] EN
[54] **LINEAR HYDRAULIC PUMP FOR SUBMERSIBLE APPLICATIONS**
[54] **POMPE HYDRAULIQUE LINEAIRE POUR APPLICATIONS SUBMERSIBLES**
[72] REEVES, BRIAN PAUL, US
[72] COLLINS, CHARLES, US
[72] NOAKES, AARON, US
[72] ROHLMAN, ERIC JOSEPH, US
[71] GE OIL & GAS ESP, INC., US
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[86] 2016-12-27 (PCT/US2016/068634)
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[51] **Int.Cl. A61K 38/18 (2006.01) A61K 35/19 (2015.01) G01N 33/49 (2006.01)**
[25] EN
[54] **CALCIUM CONTROLLED ACTIVATION OF PLATELETS VIA ELECTRICAL STIMULATION**
[54] **ACTIVATION DE PLAQUETTES REGULEE PAR LE CALCIUM PAR STIMULATION ELECTRIQUE**
[72] NECULAES, VASILE BOGDAN, US
[72] TORRES, ANDREW SOLIZ, US
[72] KLOPMAN, STEVE LAMBERT, US
[71] GENERAL ELECTRIC COMPANY, US
[85] 2018-06-21
[86] 2016-12-29 (PCT/US2016/069197)
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[51] **Int.Cl. G06Q 10/00 (2012.01) G06F 17/00 (2006.01)**
[25] EN
[54] **SYSTEM FOR CREATING SAFETY DATA SHEETS**
[54] **SYSTEME DE CREATION DE FEUILLES DE DONNEES DE SECURITE**
[72] MACGREGOR, JULIA, US
[72] MACGREGOR, JAMES, US
[72] CREMENS, DANIEL, US
[71] GLOBAL SAFETY MANAGEMENT,INC., US
[85] 2018-06-21
[86] 2017-02-03 (PCT/US2017/016545)
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[25] EN
[54] **VEHICLE ACCESS DEVICE MOUNTED HOLDER FOR EQUIPMENT**
[54] **SUPPORT MONTE DE DISPOSITIF D'ACCES DE VEHICULE POUR EQUIPEMENT**
[72] ELLEMENT, NATHAN, AU
[71] BARJOH PTY LTD, AU
[85] 2018-06-22
[86] 2016-12-20 (PCT/AU2016/051261)
[87] (WO2017/106910)
[30] AU (2015905321) 2015-12-22

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[51] **Int.Cl. G02B 6/44 (2006.01) G02B 6/38 (2006.01) G02B 6/42 (2006.01)**
[25] EN
[54] **PROTECTIVE FIBER OPTIC TERMINATION, SYSTEM, AND METHOD OF USING SAME**
[54] **TERMINAISON DE FIBRE OPTIQUE DE PROTECTION, SYSTEME ET SON PROCEDE D'UTILISATION**
[72] RAMASUBRAMANIAN, SRIKANTH, US
[71] ORMOND ENERGY INNOVATIONS INC., US
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[86] 2017-03-16 (PCT/US2017/022807)
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[54] **NOVEL MOLECULE WITH ANTI-CANCER ACTIVITY**
[54] **NOUVELLE MOLECULE A ACTIVITE ANTI-CANCEREUSE**
[72] BOBBITT, JUDITH, CA
[72] ZEIN, AHMED, CA
[71] OCEANS LTD., CA
[85] 2018-06-22
[86] 2017-01-18 (PCT/CA2017/050053)
[87] (WO2017/124184)
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[25] EN
[54] **RUNNER FOR A HYDRAULIC TURBINE OR PUMP AND METHOD OF OPERATING SUCH A RUNNER**
[54] **ROUE POUR TURBINE OU POMPE HYDRAULIQUE ET PROCEDE DE FONCTIONNEMENT D'UNE TELLE ROUE**
[72] STUMMER, MANFRED, DE
[72] COULSON, STUART, US
[72] FOUST, JASON, US
[71] VOITH PATENT GMBH, DE
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[25] EN
[54] **METHOD AND APPARATUS FOR CONTROLLING A DISCREPANT AIMING DIRECTION OF A CAMERA**
[54] **PROCEDE ET APPAREIL POUR COMMANDER UNE DIRECTION DE VISEE INCOHERENTE D'UNE CAMERA**
[72] DANIEAU, FABIEN, FR
[72] DORE, RENAUD, FR
[72] GERARD, FRANCOIS, FR
[71] THOMSON LICENSING, FR
[85] 2018-06-22
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[54] **BUTTERFLY VALVE SEAT WITH SEAT COVER**
[54] **SIEGE DE VANNE PAPILLON AVEC PROTECTION DE SIEGE**
[72] ABOUELLEIL, ASHRAF, US
[71] MUELLER INTERNATIONAL, LLC, US
[85] 2018-06-21
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[54] **A HIGH VOLTAGE POWER CABLE JOINT DEVICE AND A POWER CABLE COMPRISING THE SAME**
[54] **DISPOSITIF DE RACCORDEMENT DE CABLE D'ALIMENTATION HAUTE TENSION ET CABLE ELECTRIQUE LE COMPRENANT**
[72] SALTZER, MARKUS, CH
[72] FALTH, FREDRIK, SE
[72] AXELSSON, FREDRIK, SE
[71] NKT HV CABLES GMBH, CH
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[54] **POMPE HYDRAULIQUE ROTATIVE AVEC MOTEUR ESP**
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[72] COLLINS, CHARLES, US
[72] NOAKES, AARON, US
[72] ROHLMAN, ERIC, US
[71] GE OIL & GAS ESP, INC., US
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[54] **POLYMER COMPOSITIONS ALLOWING EASIER HANDLING**
[54] **COMPOSITIONS DE POLYMERE A MANIABILITE AMELIOREE**
[72] FEUSTEL, MICHAEL, DE
[72] KRULL, MATTHIAS, DE
[72] SIGGELKOW, BETTINA, DE
[72] MORSCHER, MICHAEL, DE
[72] GREGER, INGO, DE
[72] HAFERKAMP, SEBASTIAN, DE
[71] CLARIANT INTERNATIONAL LTD, CH
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[25] EN
[54] **NOVEL GENERATION OF ANTIGEN-SPECIFIC TCRS**
[54] **NOUVELLE GENERATION DE TCR SPECIFIQUES A UN ANTIGENE**
[72] MILOSEVIC, SLAVOLJUB, DE
[72] ELLINGER, CHRISTIAN, DE
[72] WEHNER, CARINA, DE
[72] SCHENDEL, DOLORES, DE
[71] MEDIGENE IMMUNOTHERAPIES GMBH, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
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[54] **OCULAR IMPLANT SYSTEMS**
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[72] VANDIEST, NICOLAS, BE
[72] DE MARCO, EMILIANO, BE
[72] ROY, CECILE, BE
[71] ISTAR MEDICAL, BE
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[54] **USE OF A TYPE II PHOTOINITIATOR SYSTEM FOR CROSSLINKING SILICONE COMPOSITIONS**
[54] **UTILISATION D'UN SYSTEME PHOTOAMORCEUR DE TYPE II POUR LA RETICULATION DE COMPOSITIONS SILICONES**
[72] PIBRE, GUILLAUME, FR
[72] FRANCES, JEAN-MARC, FR
[72] THEIL, PERRINE, FR
[72] ALLONAS, XAVIER, FR
[72] MALIVERNEY, CHRISTIAN, FR
[72] IBRAHIM, AHMAD, FR
[71] ELKEM SILICONES FRANCE SAS, FR
[71] UNIVERSITE DE HAUTE ALSACE, FR
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[25] EN
[54] **MARINE VEHICLE THRUSTER CONTROL METHOD**
[54] **PROCEDE DE PILOTAGE D'UN PROPULSEUR D'UN VEHICULE MARIN**
[72] BOREL, CHRISTOPHE, FR
[72] BRUNET, JEAN-PHILIPPE, FR
[72] THECKES, BENOIT, FR
[72] BOUYER, CYRIL, FR
[71] THALES, FR
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[25] FR
[54] **MODULAR EXOSKELETON STRUCTURE COMPRISING A BACKPACK SUPPORT MODULE**
[54] **STRUCTURE MODULAIRE D'EXOSQUELETTE AVEC MODULE DE SUPPORT DE SAC A DOS**
[72] BAPTISTA, JONATHAN, FR
[72] GRENIER, JORDANE, FR
[72] VAURE, ALEXANDRE, FR
[72] THIEFFRY, ROLAND, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[71] B-TEMIA INC., CA
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[54] **SHOULDER PORTION FOR AN EXOSKELETON STRUCTURE**
[54] **MODULE D'EPAULE POUR UNE STRUCTURE D'EXOSQUELETTE**
[72] BAPTISTA, JONATHAN, FR
[72] THIEFFRY, ROLAND, FR
[72] GRENIER, JORDANE, FR
[72] VAURE, ALEXANDRE, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[71] B-TEMIA INC., CA
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[54] **FOOT PORTION FOR AN EXOSKELETON STRUCTURE**
[54] **MODULE DE PIED POUR UNE STRUCTURE D'EXOSQUELETTE**
[72] BAPTISTA, JONATHAN, FR
[72] VAURE, ALEXANDRE, FR
[72] GRENIER, JORDANE, FR
[72] THIEFFRY, ROLAND, FR
[71] SAFRAN ELECTRONICS & DEFENSE, FR
[71] B-TEMIA INC., CA
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[25] EN
[54] **METHOD FOR PRODUCING RNA MOLECULE COMPOSITIONS**
[54] **PROCEDE DE PRODUCTION DE COMPOSITIONS DE MOLECULES D'ARN**
[72] ROOS, TILMANN, DE
[72] KUNZE, MARTIN, DE
[72] YAZDAN PANAH, BENYAMIN, DE
[72] YILMAZ, SALIH, DE
[72] CONZELMANN, MARKUS, DE
[71] CUREVAC AG, DE
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[54] **AGENTS THAT INHIBIT THE BINDING OF CFH TO CD11B/CD18 AND USES THEREOF**
[54] **AGENTS INHIBANT LA LIAISON DE CFH A CD11B/CD18 ET LEURS UTILISATIONS**
[72] SENNLAUB, FLORIAN, FR
[72] CALLIPPE, BERTRAND, FR
[72] GUILLONNEAU, XAVIER, FR
[72] SAHEL, JOSE-ALAIN, FR
[71] CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, FR
[71] SORBONNE UNIVERSITE, FR
[71] INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE), FR
[85] 2018-06-22
[86] 2016-12-23 (PCT/EP2016/082540)
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[51] **Int.Cl. A61L 9/12 (2006.01) A61L 9/14 (2006.01) B65D 83/26 (2006.01)**
[25] EN
[54] **DEVICE AND METHOD FOR THE AUTOMATED DIFFUSION OF VOLATILE SUBSTANCES COMPRISING A PHOTOVOLTAIC CELL**
[54] **DISPOSITIF ET PROCEDE POUR LA DIFFUSION AUTOMATISEE DE SUBSTANCES VOLATILES COMPRENANT UNE CELLULE PHOTOVOLTAIQUE**
[72] LUQUE VERA, SERGIO, ES
[72] DOYLE, DOMINIC, ES
[72] LEE, CHAO HSU, SG
[71] ZOBELE HOLDING SPA, IT
[85] 2018-06-22
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[51] **Int.Cl. C12N 5/0784 (2010.01)**
[25] EN
[54] **DENDRITIC CELL COMPOSITION**
[54] **COMPOSITION DE CELLULES DENDRITIQUES**
[72] MILOSEVIC, SLAVOLJUB, DE
[72] ELLINGER, CHRISTIAN, DE
[72] WEHNER, CARINA, DE
[72] SCHENDEL, DOLORES, DE
[71] HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH), DE
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[54] **EDL TAPERED AUTO-LOCKING SAFETY RAILING SYSTEM**
[54] **SYSTEME DE RAIL DE SECURITE AUTOBLOQUANT PROFILE EDL**
[72] LOVE, ERIK D., CA
[71] LOVE, ERIK D., CA
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[25] EN
[54] **EXTRUSION WITH PREFERENTIAL BEND AXIS**
[54] **EXTRUSION A AXE DE COURBURE PREFERENTIEL**
[72] BEECKLER, CHRISTOPHER THOMAS, US
[72] KEYES, JOSEPH THOMAS, US
[71] BIOSENSE WEBSTER (ISRAEL) LTD., IL
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[51] **Int.Cl. F22B 21/26 (2006.01)**
[25] EN
[54] **METHOD AND APPARATUS FOR GENERATING STEAM**
[54] **METHODE ET APPAREIL DE PRODUCTION DE VAPEUR**
[72] ADAMS, STEWART A. H., CA
[72] AMJADI, OMID, CA
[72] WASYLYK, MICHAEL JOHN, CA
[71] CENOVUS ENERGY INC., CA
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[25] EN
[54] **A FIBER MAT, METHOD OF MAKING THE FIBER MAT, AND BITUMINOUS ROOFING PRODUCT**
[54] **UN TAPIS EN FIBRES, METHODE DE FABRICATION D'UN TAPIS EN FIBRES ET PRODUIT DE TOITURE BITUMINEUX**
[72] BROWN, NANCY E., US
[72] GACEK, MATTHEW, US
[72] YU, TAO, US
[71] SAINT-GOBAIN ADFORS CANADA, LTD., US
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[25] EN
[54] **PROCESSES AND SYSTEMS FOR SOLVENT EXTRACTION OF BITUMEN FROM OIL SANDS**
[54] **PROCEDE ET SYSTEMES D'EXTRACTION AU SOLVANT DE BITUME A PARTIR DE SABLES BITUMINEUX**
[72] ADEYINKA, OLUSOLA B., CA
[72] SPEIRS, BRIAN C., CA
[72] ESMAEILI, PAYMAN, CA
[71] IMPERIAL OIL RESOURCES LIMITED, CA
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[51] **Int.Cl. A61M 1/36 (2006.01) A61M 1/14 (2006.01)**
[25] EN
[54] **EXTERNAL FUNCTIONAL MEANS, BLOOD TREATMENT APPARATUS FOR ACCOMMODATING SUCH EXTERNAL FUNCTIONAL MEANS, AND METHOD**
[54] **MECANISME FONCTIONNEL EXTERNE, APPAREIL DE TRAITEMENT DU SANG SERVANT A ACCOMMODER UN TEL MECANISME EXTERNE, ET METHODE**
[72] GRONAU, SOREN, DE
[72] GUNTHER, GOTZ, DE
[72] HACKER, JURGEN, DE
[72] LAUER, MARTIN, DE
[72] MANKE, JOACHIM, DE
[72] NICOLIC, DEJAN, DE
[72] WEIS, MANFRED, DE
[71] FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH, DE
[22] 2010-04-21
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[25] EN
[54] **HEART VALVE DELIVERY SYSTEM WITH VALVE CATHETER**
[54] **SYSTEME DE MISE EN PLACE DE VALVULE CARDIAQUE EQUIPE D'UN CATHETER DE VALVULE**
[72] BOURANG, HENRY, US
[72] HUY LE, THANH, US
[72] TAYLOR, DAVID M., US
[72] SOK, SAM, US
[72] IOBBI, MARIO GABRIEL, US
[72] EVANS, DAVID J., US
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[25] EN
[54] **SYSTEM AND METHOD FOR ASSURING PATIENT MEDICATION AND FLUID DELIVERY AT THE CLINICAL POINT OF USE**
[54] **SYSTEME ET PROCEDE PERMETTANT D'ASSURER L'ADMINISTRATION DE MEDICAMENT ET DE FLUIDE AU SITE D'UTILISATION CLINIQUE**
[72] BURKHOLZ, JONATHAN KARL, US
[72] O'BRYAN, JEFF, US
[71] BECTON, DICKINSON AND COMPANY, US
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[51] **Int.Cl. A61K 31/407 (2006.01) A61K 31/201 (2006.01) A61P 9/10 (2006.01)**
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[54] **THERAPEUTIC EFFECTS OF BRYOSTATINS, BRYOLOGS, AND OTHER RELATED SUBSTANCES ON ISCHEMIA/STROKE-INDUCED MEMORY IMPAIRMENT AND BRAIN INJURY**
[54] **EFFETS THERAPEUTIQUES DE BRYOSTATINES, BRYOLOGUES ET AUTRES SUBSTANCES ASSOCIEES SUR LA PERTE DE MEMOIRE INDUITE PAR ISCHEMIE/ACCIDENT VASCULAIRE ET BLESSURE AU CERVEAU**
[72] SUN, MIA-KUN, US
[72] ALKON, DANIEL L., US
[71] BLANCHETTE ROCKEFELLER NEUROSCIENCES INSTITUTE, US
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[25] EN
[54] **GENETIC ENGINEERING OF NON-HUMAN ANIMALS FOR THE PRODUCTION OF CHIMERIC ANTIBODIES**
[54] **GENIE GENETIQUE SUR DES ANIMAUX NON HUMAINS POUR LA PRODUCTION D'ANTICORPS CHIMERIQUES**
[72] GREEN, LARRY, US
[72] SHIZUYA, HIROAKI, US
[71] ABLEXIS, LLC, US
[22] 2011-03-31
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[25] EN
[54] **PATHWAY RECOGNITION ALGORITHM USING DATA INTEGRATION ON GENOMIC MODELS(PARADIGM)**
[54] **ALGORITHME DE RECONNAISSANCE DE VOIE A L'AIDE D'INTEGRATION DE DONNEES SUR DES MODELES GENETIQUES (PARADIGME)**
[72] VASKE, CHARLES J., US
[72] BENZ, STEPHEN C., US
[72] STUART, JOSHUA M., US
[72] HAUSSLER, DAVID, US
[71] THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, US
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[51] **Int.Cl. A61F 13/511 (2006.01) A61F 13/15 (2006.01) A61F 13/53 (2006.01) A61F 13/539 (2006.01)**
[25] EN
[54] **DISPOSABLE ABSORBENT LIFT DEVICE**
[54] **DISPOSITIF DE LEVAGE A TAMPON ABSORBANT JETABLE**
[72] LOVE, DAN, US
[72] SMITH, SCOTT A., US
[72] MASKREY, STEVE A., US
[72] BOTTCHER, PAUL L., US
[71] MEDLINE INDUSTRIES, INC., US
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[54] **THE USE OF INHIBITORS OF BRUTON'S TYROSINE KINASE (BTK)**
[54] **UTILISATION D'INHIBITEURS DE LA TYROSINE KINASE DE BRUTON (BTK)**
[72] BUGGY, JOSEPH J., US
[72] ELIAS, LAURENCE, US
[72] FYFE, GWEN, US
[72] HEDRICK, ERIC, US
[72] LOURY, DAVID J., US
[72] MODY, TARAK D., US
[71] PHARMACYCLICS LLC, US
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[41] 2011-12-08
[62] 2,800,913
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[25] EN
[54] **THE USE OF INHIBITORS OF BRUTON'S TYROSINE KINASE (BTK)**
[54] **UTILISATION D'INHIBITEURS DE LA TYROSINE KINASE DE BRUTON (BTK)**
[72] BUGGY, JOSEPH J., US
[72] ELIAS, LAURENCE, US
[72] FYFE, GWEN, US
[72] HEDRICK, ERIC, US
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[72] MODY, TARAK D., US
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[13] A1
[51] **Int.Cl. A61K 31/202 (2006.01) A61K 9/48 (2006.01) A61P 3/06 (2006.01)**
[25] EN
[54] **USE OF EICOSAPENTAENOIC ACID TO TREAT HYPERTRIGLYCERIDEMIA**
[54] **UTILISATION D'ACIDE ICOSAPENTANOIQUE POUR LE TRAITEMENT DE L'HYPERTRIGLYCERIDEMIE**
[72] MANKU, MEHAR, US
[72] OSTERLOH, IAN, US
[72] WICKER, PIERRE, US
[72] BRAECKMAN, RENE, US
[72] SONI, PARESH, US
[71] AMARIN PHARMACEUTICALS IRELAND LIMITED, IE
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[51] **Int.Cl. C07D 417/12 (2006.01) A61K 47/54 (2017.01) A61K 49/00 (2006.01) A61P 35/00 (2006.01)**
[25] EN
[54] **SMALL MOLECULE DRUG CONJUGATES**
[54] **CONJUGUES DE MEDICAMENTS A PETITES MOLECULES**
[72] KRALL, NIKOLAUS, AT
[72] DECURTINS, WILLY, CH
[72] NERI, DARIO, CH
[72] SCHEUERMANN, JORG, CH
[72] WICHERT, MORENO, CH
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[41] 2015-08-06
[62] 2,938,574
[30] GB (1404819.6) 2014-02-03
[30] GB (1407530.3) 2014-04-29
[30] GB (1419994.7) 2014-11-10

[21] **3,008,319**
[13] A1
[51] **Int.Cl. A61C 8/00 (2006.01)**
[25] EN
[54] **CONDENSING SKELETAL IMPLANT THAT FACILITATE INSERTION**
[54] **IMPLANT SQUELETTIQUE A CONDENSATION FACILITANT L'INTRODUCTION**
[72] FROMOVICH, OPHIR, IL
[72] JACOBY, YUVAL, IL
[72] BICHACHO, NITZAN, IL
[72] KARMON, BEN-ZION, IL
[71] NOBEL BIOCARE SERVICES AG, CH
[22] 2004-05-23
[41] 2004-12-02
[62] 2,915,018
[30] IL (156033) 2003-05-21

[21] **3,008,321**
[13] A1
[51] **Int.Cl. G10L 19/005 (2013.01) G10L 19/20 (2013.01) G10L 19/12 (2013.01) H04L 12/885 (2013.01) H04L 1/00 (2006.01)**
[25] EN
[54] **ENCODER, DECODER AND METHOD FOR ENCODING AND DECODING AUDIO CONTENT USING PARAMETERS FOR ENHANCING A CONCEALMENT**
[54] **CODEUR, DECODEUR ET PROCEDE DE CODAGE ET DE DECODAGE D'UN CONTENU AUDIO A L'AIDE DE PARAMETRES PERMETTANT D'AMELIORER UNE DISSIMULATION**
[72] LECOMTE, JEREMIE, US
[72] SCHUBERT, BENJAMIN, DE
[72] SCHNABEL, MICHAEL, DE
[72] DIETZ, MARTIN, DE
[71] FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E. V., DE
[22] 2015-08-24
[41] 2016-03-03
[62] 2,958,932
[30] EP (14182553.9) 2014-08-27
[30] EP (15164126.3) 2015-04-17

[21] **3,008,411**
[13] A1
[51] **Int.Cl. G01S 17/66 (2006.01) G01S 17/88 (2006.01)**
[25] EN
[54] **VEHICLE WITH MULTIPLE LIGHT DETECTION AND RANGING DEVICES (LIDARS)**
[54] **VEHICULE AYANT DE MULTIPLES DISPOSITIFS DE DETECTION ET TELEMETRIE PAR LA LUMIERE (LIDARS)**
[72] GRUVER, DANIEL, US
[72] DROZ, PIERRE-YVES, US
[72] PENNECOT, GAETAN, US
[72] LEVANDOWSKI, ANTHONY, US
[72] ULRICH, DREW EUGENE, US
[72] MORRISS, ZACHARY, US
[72] WACHTER, LUKE, US
[72] IORDACHE, DOREL LONUT, US
[72] PARDHAN, RAHIM, US
[72] MCCANN, WILLIAM, US
[72] FIDRIC, BERNARD, US
[72] LENIUS, SAMUEL WILLIAM, US
[72] AVRAM, PETER, US
[71] WAYMO LLC, US
[22] 2016-02-24
[41] 2016-09-29
[62] 2,980,305
[30] US (14/668,452) 2015-03-25

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[21] **3,008,415**
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[51] **Int.Cl. A61M 16/04 (2006.01) A61M 5/145 (2006.01) A61M 16/01 (2006.01) A61M 19/00 (2006.01)**
[25] EN
[54] **COMBINED LARYNGO-TRACHEAL ANESTHETIC AND STYLET DEVICE**
[54] **DISPOSITIF ANESTHESIQUE LARYNGO-TRACHEAL ET STYLET COMBINES**
[72] HERSKOVIC, JOSHUA, US
[71] GUIDANCE AIRWAY SOLUTIONS, LLC, US
[22] 2015-06-10
[41] 2015-12-17
[62] 2,951,704
[30] US (14/301,170) 2014-06-10

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[21] **3,008,483**
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[51] **Int.Cl. B60P 1/28 (2006.01)**
[25] EN
[54] **TRUCK BODY**
[54] **CARROSSERIE DE CAMION**
[72] REYNOLDS, FREDERICK J., US
[72] HEHN, RONALD L., US
[71] WESTERN TECHNOLOGY SERVICES INTERNATIONAL, INC., US
[22] 2010-12-08
[41] 2011-06-23
[62] 2,768,403
[30] US (61/288,150) 2009-12-18

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[25] EN
[54] **METHODS, APPARATUS AND ARTICLES OF MANUFACTURE TO PROVIDE SECONDARY CONTENT IN ASSOCIATION WITH PRIMARY BROADCAST MEDIA CONTENT**
[54] **PROCEDES, APPAREIL ET ARTICLES DE FABRICATION DESTINES A FOURNIR UN CONTENU SECONDAIRE EN ASSOCIATION AVEC UN CONTENU MULTIMEDIA DE DIFFUSION PRIMAIRE**
[72] HARKNESS, DAVID HENRY, US
[72] RAMASWAMY, ARUN, US
[72] SAMSON, JEROME, US
[72] BESEHANIC, JAN, US
[72] SRINIVASAN, VENUGOPAL, US
[72] TOPCHY, ALEXANDER PAVLOVICH, US
[71] THE NIELSEN COMPANY (US), LLC, US
[22] 2010-04-30
[41] 2010-11-04
[62] 2,760,677
[30] US (61/174,787) 2009-05-01

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[25] EN
[54] **AUTOMATED GEOSPATIAL IMAGE MOSAIC GENERATION**
[54] **GENERATION AUTOMATISEE DE MOSAIQUE D'IMAGES GEOSPATIALES**
[72] PADWICK, CHRISTOPHER G., US
[72] WALLERIUS, JOHN W., US
[72] SMITH, JAMES T., US
[71] DIGITALGLOBE, INC., US
[22] 2014-03-14
[41] 2014-10-16
[62] 2,907,192
[30] US (13/838,475) 2013-03-15
[30] US (13/952,442) 2013-07-26
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[51] **Int.Cl. A61B 90/14 (2016.01) A61B 90/50 (2016.01) B25J 17/00 (2006.01)**
[25] EN
[54] **POSITIONING APPARATUS FOR BIOMEDICAL USE**
[54] **APPAREIL DE POSITIONNEMENT POUR UTILISATION BIOMEDICALE**
[72] CHAUVETTE, GUILLAUME, CA
[72] SEVIGNY, CHARLES, CA
[71] CONMED CORPORATION, US
[22] 2011-12-06
[41] 2012-06-14
[62] 2,820,373
[30] US (61/420,468) 2010-12-07

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[21] **3,008,715**
[13] A1
[51] **Int.Cl. H04N 21/258 (2011.01) H04H 60/33 (2009.01) H04L 12/16 (2006.01)**
[25] EN
[54] **SYSTEMS AND METHODS FOR DETECTING INCONSISTENT USER ACTIONS AND PROVIDING FEEDBACK**
[54] **SYSTEMES ET PROCEDES POUR DETECTER DES ACTIONS INCOHERENCES DE L'UTILISATEUR ET FOURNIR UN RETOUR D'INFORMATION**
[72] CRANER, MICHAEL, US
[71] ROVI GUIDES, INC., US
[22] 2009-11-12
[41] 2010-05-20
[62] 2,738,631
[30] US (12/269639) 2008-11-12

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[13] A1
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[54] **ANTI-COBRA TOXIN ANTIBODY FRAGMENTS AND METHOD OF PRODUCING A VHH LIBRARY**
[54] **FRAGMENTS D'ANTICORPS DIRIGES CONTRE LA TOXINE DE COBRA ET PROCEDE DE PRODUCTION D'UNE BANQUE DE VHH**
[72] HALL, J. CHRISTOPHER, CA
[72] RICHARD, GABRIELLE, CA
[72] MCLEAN, MICHAEL D., CA
[71] UNIVERSITY OF GUELPH, CA
[22] 2009-12-04
[41] 2010-06-10
[62] 2,745,473
[30] US (61/120208) 2008-12-05
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[54] **REFORMER EXERCISE APPARATUS**
[54] **APPAREIL D'EXERCICE DE REMISE EN FORME**
[72] ENDELMAN, KEN, US
[72] SAVARINO, CHRISTOPHER J., US
[72] MASTERSON, BRIAN, US
[72] OBERWELZ, ELGER, US
[72] YURCHENCO, JAMES R., US
[72] PATRON, ANTHONY, US
[72] OVERTHUN, THOMAS DIETER CHRISTIAN, US
[72] STUDENT, JOERG, US
[72] WEBSTER, DAVID, US
[72] DAVIS-WILSON, JENNIFER ELLEN, US
[71] BALANCED BODY, INC., US
[22] 2011-07-13
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[62] 2,945,556

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[25] EN
[54] **LUGGAGE PROCESSING STATION AND SYSTEM THEREOF**
[54] **STATION DE TRAITEMENT DE BAGAGES ET SYSTEME ASSOCIE**
[72] DINKELMANN, RICHARD, AU
[72] DINKELMANN, RAINER, AU
[71] ICM AIRPORT TECHNICS AUSTRALIA PTY LTD, AU
[22] 2015-02-27
[41] 2015-09-03
[62] 2,939,977
[30] AU (2014900670) 2014-02-28
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[25] EN
[54] **GASTROINTESTINAL SITE-SPECIFIC ORAL VACCINATION FORMULATIONS ACTIVE ON THE ILEUM AND APPENDIX**
[54] **FORMULATIONS DE VACCINATION ORALE SPECIFIQUES A UN SITE GASTRO-INTESTINAL ACTIVES SUR L'ILEON ET L'APPENDICE**
[72] SCHENTAG, JEROME J., US
[72] KABADI, MOHAN, US
[71] THERABIOME, LLC, US
[22] 2013-03-14
[41] 2013-10-03
[62] 2,868,362
[30] US (61/617,367) 2012-03-29

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[13] A1
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[25] EN
[54] **SINGLE B-CELL CULTIVATION METHOD**
[54] **PROCEDE DE CULTURE DE LYMPHOCYTE B ISOLE**
[72] ENDL, JOSEF, DE
[72] SCHUHMACHER, NATALIE, DE
[72] OFFNER, SONJA, DE
[72] PLATZER, JOSEF, DE
[72] SIEWE, BASILE, DE
[72] THOREY, IRMGARD, DE
[71] F. HOFFMANN-LA ROCHE AG, CH
[22] 2011-05-26
[41] 2011-12-01
[62] 2,798,286
[30] EP (10005602.7) 2010-05-28

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[21] **3,008,829**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIAL DELIVERY SYSTEM FOR VARIABLE RATE SECTIONAL CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MATIERES PARTICULAIRES POUR COMMANDE MODULAIRE A DEBIT VARIABLE**
[72] HENRY, JAMES W., CA
[72] PETRUIC, MATTHEW, CA
[72] STUART, GRAHAM, CA
[72] WOLOWSKI, EVAN, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
[22] 2013-01-22
[41] 2013-07-23
[62] 2,803,403
[30] US (62/589,565) 2012-01-23
[30] US (13/746,105) 2013-01-21

[21] **3,008,834**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIAL DELIVERY SYSTEM FOR VARIABLE RATE SECTIONAL CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MATIERES PARTICULAIRES POUR COMMANDE MODULAIRE A DEBIT VARIABLE**
[72] HENRY, JAMES W., CA
[72] PETRUIC, MATTHEW, CA
[72] STUART, GRAHAM, CA
[72] WOLOWSKI, EVAN, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[62] 2,803,403
[30] US (61/589,565) 2012-01-23
[30] US (13/746,105) 2013-01-21

[21] **3,008,864**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIAL DELIVERY SYSTEM FOR VARIABLE RATE SECTIONAL CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MATIERES PARTICULAIRES POUR COMMANDE MODULAIRE A DEBIT VARIABLE**
[72] HENRY, JAMES W., CA
[72] PETRUIC, MATTHEW, CA
[72] STUART, GRAHAM, CA
[72] WOLOWSKI, EVAN, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[62] 2,803,403
[30] US (61/589,565) 2012-01-23
[30] US (13/746,105) 2013-01-21

[21] **3,008,868**
[13] A1
[51] **Int.Cl. A01C 7/08 (2006.01)**
[25] EN
[54] **PARTICULATE MATERIAL DELIVERY SYSTEM FOR VARIABLE RATE SECTIONAL CONTROL**
[54] **SYSTEME DE DISTRIBUTION DE MATIERES PARTICULAIRES POUR COMMANDE MODULAIRE A DEBIT VARIABLE**
[72] HENRY, JAMES W., CA
[72] PETRUIC, MATTHEW, CA
[72] STUART, GRAHAM, CA
[72] WOLOWSKI, EVAN, CA
[71] CNH INDUSTRIAL CANADA, LTD., CA
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[41] 2013-07-23
[62] 2,803,403
[30] US (61/589,565) 2012-01-23
[30] US (13/746,105) 2013-01-21

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[13] A1
[51] **Int.Cl. F16K 31/06 (2006.01) F01P 7/16 (2006.01) F01P 11/14 (2006.01) F15C 3/02 (2006.01) G05D 7/06 (2006.01) H01F 7/18 (2006.01)**
[25] EN
[54] **SMART SOLENOID**
[54] **SOLENOIDE INTELLIGENT**
[72] PHILLIPS, DAVID, US
[72] GUZOREK, RICHARD, US
[71] FLEXTRONICS AP, LLC, US
[22] 2014-04-09
[41] 2015-09-24
[62] 2,943,187
[30] US (14/222,132) 2014-03-21

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[13] A1
[51] **Int.Cl. G06F 3/0488 (2013.01) G06F 3/0481 (2013.01) G06F 3/0484 (2013.01) A63F 13/2145 (2014.01) A63F 13/426 (2014.01) A63F 13/52 (2014.01)**
[25] EN
[54] **GRAPHICAL USER INTERFACE FOR A GAMING SYSTEM**
[54] **INTERFACE UTILISATEUR GRAPHIQUE POUR UN SYSTEME DE JEU**
[72] DEROME, JOHN NICHOLAS, FI
[72] LEPPINEN, LASSI, FI
[71] SUPERCELL OY, FI
[22] 2013-04-09
[41] 2013-12-19
[62] 2,869,766
[30] US (13/479,637) 2012-05-24

[21] **3,008,948**
[13] A1
[51] **Int.Cl. B64C 1/06 (2006.01) B64C 3/18 (2006.01)**
[25] EN
[54] **REINFORCED COMPOSITE STRUCTURES FOR AIRCRAFTS AND METHODS FOR MAKING THE SAME**
[54] **STRUCTURES COMPOSITES RENFORCEES POUR AVIONS ET LEURS PROCEDES DE FABRICATION**
[72] REIGHLEY, JOHN EVERETT, US
[72] HORNICK, DAVID CHARLES, US
[72] FOOSE, ANDREW, US
[72] AITKEN, CHARLES OWEN, US
[71] GULFSTREAM AEROSPACE CORPORATION, US
[22] 2013-02-07
[41] 2013-10-31
[62] 2,863,241
[30] US (13/396,325) 2012-02-14

[21] **3,009,054**
[13] A1
[51] **Int.Cl. G01B 13/06 (2006.01) A61M 5/142 (2006.01) A61M 39/08 (2006.01)**
[25] EN
[54] **INFUSION PUMP WITH TUBE MEASUREMENT TECHNIQUE USING LINEAR ACTUATOR AND PRESSURE SENSOR**
[54] **POMPE A PERFUSION AVEC TECHNIQUE DE MESURE DE TUBE UTILISANT UN ACTIONNEUR LINEAIRE ET UN CAPTEUR DE PRESSION**
[72] BOJAN, PETER M., US
[72] WANG, ZHENGYAN, US
[72] RAI, SURYA, US
[72] OLCZAK, PAUL, US
[71] BAXTER INTERNATIONAL INC., US
[71] BAXTER HEALTHCARE S.A., CH
[22] 2011-06-29
[41] 2012-01-12
[62] 2,804,030
[30] US (12/826192) 2010-06-29

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BECKMAN, ERIC J. 2,800,866
BECTON, DICKINSON AND COMPANY 2,812,981
BECTON, DICKINSON AND COMPANY 2,863,210
BECTON, DICKINSON AND COMPANY 2,909,355
BECTON, DICKINSON AND COMPANY 2,909,359
BECTON, DICKINSON AND COMPANY 2,927,783
BECTON, DICKINSON AND COMPANY 2,951,841
BEERS, BART 2,801,885
BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD. 2,938,641
BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD. 2,938,642
BEIJING ZHONGKAIHONGDE TECHNOLOGY CO., LTD. 2,938,643
BELLEGARDE, NICOLAS 2,737,287
BEN CHAABANE, FADHEL 2,734,913
BEN-ARI, YEHEZKEL 2,786,956
BENDERS, GWYNEDD A. 2,701,923
BENEDEK, AARON SANJAYA 2,998,994
BENNETT, CARL W. 2,791,517
BERETTI, JEAN-LUC 2,674,648
BERGHUIJS, STEFAN 2,839,232
BERNAL HUICOCHEA, CESAR 2,903,564
BERNHARDT, RANDAL J. 2,948,110
BEZANEHTAK, KEIVAN 2,629,904
BHAT, DINKAR N. 2,903,236
BIANCHI, ERNESTO GABRIEL 2,915,216
BIENIAWSKI, STEFAN R. 2,887,795
BIENVENUE, ERICK 2,746,596
BIERLMAIER, STEPHEN J. 2,901,204
BIERMAN, JOHN CRIST 2,815,665
BIERSTEDT, THOMAS 2,785,617
BIGORRA LLOSAS, JOAQUIN 2,793,635
BINGER, DEAN 2,753,598
BIOCEPTRE (AUST) PTY LTD 2,729,868
BIOGAS SYSTEMS GMBH 2,799,992
BIOLASE, INC. 2,850,483
BIOLASE, INC. 2,850,502
BIRCHMORE, BOB 2,807,436
BLACK, KAREN 2,820,197
BLACK, ROGER B. 2,883,992
BLACKBERRY LIMITED 2,731,877
BLACKBERRY LIMITED 2,744,460
BLACKBERRY LIMITED 2,818,776
BLACKBERRY LIMITED 2,892,407
BLACKBERRY LIMITED 2,923,740
BLANCHETTE ROCKEFELLER NEUROSCIENCES INSTITUTE 2,864,550
BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM 2,748,813
BOIVIN, ALAIN 2,807,254
BOLTE, THOMAS A. 2,740,470
BONCZYNSKI, GERALD 2,927,783
BOTTAZZO, GIAN FRANCO 2,691,147
BOUDESOCQUE, NICOLAS 2,787,526
BOUGNOUX, MARIE ELISABETH 2,674,648
BOULLE CARBOTHERMIC METALS LTD 2,778,396
BOULLE, JEAN-RAYMOND 2,778,396
BOURQUE, ELYSE M. J. 2,779,452
BOUTOUSSOV, DMITRI 2,850,483
BOUVIER, PIERRE 2,737,957
BOWLER, SAMUEL 2,898,392
BOYCE, JEFFREY J. 2,732,837
BRIAULT, GILLES 2,947,475
BRIGHTWAKE LIMITED 2,766,670
BRIKWALL GOALIE PRODUCTS 2,928,586
BRIND'AMOUR, FRANCOIS 2,725,516
BRONSKILL, MICHAEL 2,800,238
BROOKFIELD, CHRIS 2,742,166
BROSSON, LAURENT BERNARD 2,822,552
BROTHER KOGYO KABUSHIKI KAISHA 2,786,805
BROWN, AARON 2,948,110
BROWN, BOB D. 2,524,572
BROWN, CAL R. 2,726,045
BROWN, DANIEL RICHARD L. 2,877,490
BROWN, MICHAEL S. 2,923,740
BROWN, WILLIAM E., JR. 2,850,502
BRUNETTI, FRANCESCA 2,930,385
BUCKRIDGE, KENNETH A. 2,778,346
BUNNAGE, MARK EDWARD 2,944,475
BURCHFIELD, RONALD J. 2,760,457
BURG, CRAIG MICHAEL 2,792,460
BURNS, RODNEY MAURICE 2,962,220
BUSE, DAVID 2,964,930
BUTNER, WAYNE M. 2,907,743
BUTTRICK, JAMES N. 2,880,082
C. ED. SCHULTE GESELLSCHAFT MIT BESCHRAENKTER HAFTUNG ZYLINDERSCHLOSSFABRIK 2,739,792
CABELA'S LLC 2,871,240
CADENA BIO, INC. 2,864,086
CAGLIANI, MICHELA 2,930,385
CAHEN, ANTOINE 2,800,014
CALADRIUS BIOSCIENCES, INC. 2,711,267
CAMBI TECHNOLOGY AS 2,965,422
CAMP, GARRETT 2,782,611
CAMP, GRAY 2,936,123
CAMPAGNA, MATTHEW JOHN 2,877,490
CAMPBELL, IAN 2,898,951
CAMPBELL, JOHN E. 2,796,454
CAMPBELL, LOUIS 2,966,311
CANADIAN NATIONAL RAILWAY COMPANY 2,969,278
CANALES, EDA 2,767,088
CANBEKTE, HUSNU SINAN 2,899,270
CANBEKTE, ZEKERIYA 2,899,270
CANONICO, PIER LUIGI 2,801,281
CANTWELL, MARTIN 2,761,647
CAPUZZI, LUIGI 2,773,445
CARBONNELLE, ETIENNE 2,674,648
CARDONE, AUTUMN 2,771,860
CARDONE, GIORGIO 2,930,385
CARGILL, INCORPORATED 2,740,470
CARMAN, PAUL S. 2,849,248
CARPENTER, PAUL H. 2,887,795
CARPIO GONZALEZ, YAMILA 2,819,206
CARRERAS MOLINS, JOSEP MARIA 2,822,911
CARRETTE, PIERRE CHRISTIAN MARIE 2,780,660
CARRIER, JOSHUA A. 2,724,593
CARROLL, DAVID L. 2,730,362
CARROLL, TIMOTHY J. 2,880,126
CARSON, STEPHEN W. 2,786,573
CARSTEN, HEINKS 2,886,949
CASTRO, JOHN R. 2,901,539
CELANESE INTERNATIONAL CORPORATION 2,812,700
CELATKA, CASSANDRA 2,779,452
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS) 2,645,141
CENTRO DE INGENIERIA GENETICA Y BIOTECNOLOGIA 2,819,206
CERBOMED GMBH 2,821,027
CERON CAMACHO, RICARDO 2,903,564
CERTAINTEED CORPORATION 2,778,467
CERTICOM CORP. 2,877,490
CFPH, LLC 2,620,909
CHAGGARES, NICHOLAS CHRISTOPHER 2,878,789
CHAMBERS, RICHARD L. 2,919,051
CHAMINAND, JULIEN 2,778,766
CHAN, ERIC 2,744,460
CHAN, PUI-KWONG 2,579,231
CHANDLER, STEPHEN DOUGLAS 2,629,904
CHAPPIE, THOMAS ALLEN 2,899,294
CHARMING INNOVATIVE INDUSTRIES CO., LIMITED 2,896,119
CHARRIN, PHILIPPE 2,827,048
CHAU, MARK 2,966,311
CHEN, BOBBY L. T. 2,963,242
CHEN, SEONG FONG 2,802,956
CHEN, XIN 2,754,577
CHEN, YING 2,753,598
CHEN, ZHENGMING 2,659,215
CHEN, ZHI CHENG (EDWARD) 2,837,594
CHENE, GILLES 2,924,737
CHEON, JIHOON 2,822,048
CHIA, NEVILLE 2,812,981
CHIBA, JUNICHI 2,923,578
CHIEN, CHIKANG DAVID 2,919,051
CHIRIVI, RENATO GERARDUS SILVANO 2,726,511
CHO, KWANG MYUNG 2,830,215
CHONG, LEE S. 2,767,088
CHOPRA, RAJIV 2,800,238
CHRISTENSEN, KENN 2,769,370

CHU DE BREST 2,786,956
CHUKWULEBE, BERNARD O. 2,795,631
CHUN, JONG YOON 2,770,588
CIRCAID MEDICAL PRODUCTS, INC. 2,917,894
CLAPPER, ALLISON STRIGHT 2,895,057
CLARDY, JON, C. 2,779,452
CLARK, H. BUD 2,761,647
CLARK, KERRI 2,732,837
CLARK, TOBY W. 2,962,005
CLARKE, MICHAEL O'NEIL HANRAHAN 2,767,088
CLARKE, SOPHIE ELIZABETH 2,939,408
CLASON, MARK A. 2,726,045
CLAUS, MATTHEW W. 2,620,909
CLAVEL LOPEZ, JUAN DE LA CRUZ 2,903,564
CLEMMER, JEFFREY RONALD 2,818,776
CLINGERMAN, MICHAEL 2,732,837
CLINUVEL PHARMACEUTICALS LIMITED 2,575,866
CMICH, RYAN 2,973,881
COBAN, MUHAMMED ZEYD 2,867,756
COBLEIGH, MELODY A. 2,829,476
COBLEIGH, MELODY A. 2,829,477
COGNIS IP MANAGEMENT GMBH 2,793,635
COHEN, CELINE 2,734,913
COHEN, ERICA EDEN 2,886,021
COHEN, LISA JO 2,657,309
COHERA MEDICAL, INC. 2,800,866
COINTEPAS, PATRICK 2,947,475
COJOCARIU, GHEORGHE 2,927,783
COLEMAN, JAMES E. 2,928,094
COLLINS, DONALD F. 2,894,764
COMCAST CABLE COMMUNICATIONS, LLC 2,723,333
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES 2,787,526
CONSUMER SAFETY TECHNOLOGY, LLC 2,938,407
COOK MEDICAL TECHNOLOGIES LLC 2,925,900
COOK, BRUCE M. 2,845,154
COOLEY, WILLIAM E. 2,820,197
COOPER TECHNOLOGIES COMPANY 2,824,411
COPPEDGE, CHARLES DON 2,807,659
COQUERON, PIERRE-YVES 2,710,178
CORBETT, ROBERT 2,928,586
CORNING OPTICAL COMMUNICATIONS LLC 2,962,220
CORRAL, SERGIO 2,811,984
CORRE, BERNARD 2,826,339
CORTESE, JOSEPH 2,779,452
CORVINO, JOANNE P. 2,619,673
COSTINO, JAMEY M. 2,795,631
COTTON, STEPHEN 2,766,670
COUEVAS, CHRIS G. 2,880,082
COULOMBE, ALEXANDRE 2,746,596
COULSON, ALAN 2,615,575
COURTEL, FABRICE 2,797,217
CRANE, STEPHEN 2,811,984
CRAWFORD, JAMIESON 2,812,981
CRAYOLA LLC 2,888,729
CREARE, INCORPORATED 2,801,508
CREZEE, JEROEN 2,839,232
CRISTEA, CAREY 2,966,311
CRONIN, MAUREEN T. 2,829,476
CRONIN, MAUREEN T. 2,829,477
CRUCE, CHRISTOPHER J. 2,811,984
CRYOMEDIX LLC 2,756,293
CSATARY, CHRISTINE M. 2,782,189
CSATARY, LASZLO, K. 2,782,189
CSL LIMITED 2,838,246
CUMMINS, CHRISTY 2,928,094
CURRAN, KEVIN JOSEPH 2,944,475
CVITECH INC. 2,725,516
CYCLOMEDIA TECHNOLOGY B.V. 2,801,885
CZIRAKY, DAVID A. 2,888,729
DAIS, BRIAN C. 2,886,021
DAMNJANOVIC, ALEKSANDAR 2,636,591
DARR, MATTHEW RAIN 2,824,411
DARVEAU, HEATH AARON 2,871,240
DAULTON, DANIEL J. 2,863,555
DAUM, HELWIG HEINRICH 2,803,664
DAUSER, HERMANN 2,799,992
DAVEY, GREGORY ANDREW 2,629,904
DAVIDSON, GEORGE ALEXANDER 2,629,904
DAVIS, LANCE STEPHEN 2,778,190
DE BRABANDER, JEF 2,748,813
DE GERONI JUNIOR, ADEMAR 2,800,369
DE GRAAFF, GERBRAND KRISTIAAN 2,789,858
DE MAN, TEUNIS 2,802,616
DE SANTI, GIUSEPPE 2,806,453
DE SILVA, RENUKA 2,753,598
DE WIT, KELLY 2,799,634
DEBAD, JEFF D. 2,820,483
DEEP CASING TOOLS LIMITED 2,778,190
DEGAND, NICOLAS 2,674,648
DEGEN, CHRISTOPH 2,782,703
DEHNHARDT, CHRISTOPH MARTIN 2,944,475
DELHAYE, MANUEL 2,785,617
DEMERS, NICOLE 2,746,596
DENG, ERIC 2,915,048
DENTSPLY INTERNATIONAL INC. 2,806,976
DESAI, JAWAHAR M. 2,730,625
DESAI, NITIN 2,665,219
DESERT AIRE CORP. 2,792,460
DEUTSCHE ROCKWOOL MINERALWOLL GMBH & CO. OHG 2,815,721
DEUTSCHES KREBSFORSCHUNGSZENTRUM 2,849,370
DEVRIES, DOUGLAS EDWARD 2,938,407
DEWEY, CHARLES H. 2,796,454
DEWITT, ROBERT R. 2,798,483
DHAWAN, ASHISH 2,864,086
DHOOT, NIKHIL 2,619,673
DI CARLO, ALDO 2,930,385
DICK, SASCHA 2,918,864
DICKMAN, EREZ 2,912,759
DIEHL, DIRK 2,949,575
DINH, STEVEN 2,619,673
DINVILLE, HERVE 2,785,617
DIOXIDE MATERIALS, INC. 2,794,105
DIRECT SOURCE INTERNATIONAL, LLC 2,878,443
DOEHLA, STEFAN 2,925,734
DOERFFLER, EDWARD 2,767,088
DOLBY LABORATORIES LICENSING CORPORATION 2,923,754
DONALDSON, SEAN 2,800,238
DORCEY, RENEE IRENE 2,871,240
DOSTER, JAMES 2,764,627
DOSTER, JOHN W. 2,764,627
DOW AGROSCIENCES LLC 2,897,475
DREWRY, WILLIAM ALEXANDER 2,929,621
DRISCOLL, JAMES R. 2,620,909
DROUIN, JEAN-PHILLIPPE 2,746,596
DU, NAIYING 2,780,796
DUBOIS, ERIC 2,808,551
DUNLOP, FELICITY MEREDITH 2,838,246
DUPUIS, JOSEPH E. 2,718,216
DUSTERHOFT, RONALD GLEN 2,886,327
DUSTERHOFT, RONALD GLEN 2,922,573
DYAKONOV, TATYANA 2,939,990
EAMES, PATRICK JAN 2,763,229
EARL, PATRICIA 2,454,959
EASEL BIOTECHNOLOGIES, LLC 2,830,215
EASTERWOOD, EDWARD J. 2,760,457
EBAY INC. 2,912,759
EBEID, NEVINE MAURICE NASSIF 2,877,490
EDALAT, PAUL 2,888,219
EDEL, JOHN 2,963,242
EDEN, ROBERT D. 2,840,538
EDGEWELL PERSONAL CARE CANADA, ULC 2,889,310
EDWARDS LIFESCIENCES CORPORATION 2,966,311
EDWARDS, KIRSTEN MAE 2,838,246
EHRNSPERGER, BRUNO JOHANNES 2,915,216
EKMAN, KALLE 2,764,217
ELC MANAGEMENT LLC 2,894,764
ELC MANAGEMENT LLC 2,901,539
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,882,457
ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE 2,883,547
ELLIOTT, GERALDINE ANN 2,629,904

ELLIOTT, HOWARD 2,814,125
ELLIS, ROBERT 2,812,981
ELLIS, ROBERT G. 2,909,359
ELSOEE, MAJA KIRSTINE 2,910,117
EMC2 HOLDING LLC 2,792,761
EMEFCY LTD. 2,820,663
EMERY, CHRISTOPHER G. 2,836,151
EMISPHERE TECHNOLOGIES, INC. 2,619,673
EMORY UNIVERSITY 2,454,959
ENDOH, JUN-ICHI 2,797,230
ENDOU, YUUKI 2,928,791
ENEX SRL 2,868,441
ENZYCHEM LIFESCIENCES CORPORATION 2,921,845
EPSTEIN, JOSEPH W. 2,659,215
ERDMANN, JEREMY J. 2,930,401
ERGUT, ALI 2,746,920
ERIKSEN, ODD HARALD STEEN 2,755,101
ERNESAKS, ANITA 2,969,278
ERNST, PETER 2,722,865
ERPS, TIMOTHY 2,802,049
ERVIN, DAVID L. 2,796,454
ESKOLA, HEINI 2,764,217
ESMAEILI, PAYMAN 2,965,581
ESTOK, ROBERT MICHAEL 2,980,013
ESTRADA GARCIA, MARIO PABLO 2,819,206
EVANS, JONATHAN 2,811,119
EVANS, JONATHAN 2,811,212
EXONE GMBH 2,957,651
F. HOFFMANN-LA ROCHE AG 2,910,360
FACET TECHNOLOGIES, LLC 2,869,338
FALINE, ALEXIS 2,785,617
FAN, CHUANLIN 2,938,641
FAN, CHUANLIN 2,938,642
FAN, CHUANLIN 2,938,643
FARLAND, RICHARD M. 2,802,022
FATMI, AQEEL A. 2,939,990
FEATHERMAN, JOHN 2,936,123
FEDERAL-MOGUL CORPORATION 2,899,799
FELTER, NANCY 2,778,346
FEMTOLASERS PRODUKTIONS GMBH 2,803,965
FENNELL, MARTIN J. 2,686,641
FERGUSON, CHRISTOPHER 2,898,951
FERGUSON, JAMAL ABDUL 2,746,920
FERRARISPOWER CO., LTD 2,941,529
FERRAZZINI, AXEL 2,731,877
FERRIGNO, STEPHEN JOSEPH 2,803,561
FERRONI, AGNES 2,674,648
FEUERSTEIN, JOSHUA 2,764,493
FIBER COMPOSITES, LLC 2,747,717
FIELD, BRIAN E. 2,723,333
FILLMORE WEST INVESTMENT TRUST 2,936,123
FINLAY, TRAVIS K. 2,928,008
FINN, MICHAEL R. 2,887,795
FINSBURY (DEVELOPMENT) LIMITED 2,786,633
FIREFLY BIOWORKS, INC. 2,802,049
FIRESTONE INDUSTRIAL PRODUCTS COMPANY, LLC 2,830,537
FIRESTONE, GREGORY CHRISTOPHER 2,803,561
FIRST QUALITY HYGIENIC, INC. 2,716,693
FISKARS FINLAND OY AB 2,969,039
FITZWATER, KELLY R. 2,933,111
FLOETER, ECKHARD 2,802,616
FLORES, EVERARDO GARCIA 2,811,984
FLOYD, JOSEPH FRANK 2,763,229
FOGARTY, KEVIN 2,807,436
FONG-JONES, ELIZABETH SANDRA 2,929,621
FONTAINE, ALAN 2,933,111
FORREST, GREGORY 2,735,799
FORSELL, PETER 2,805,013
FOSS ANALYTICAL A/S 2,910,117
FOUGERE, RICHARD J. 2,825,209
FRANCHET, JEAN-MICHEL PATRICK MAURICE 2,823,525
FRANCO, ANDREA 2,731,588
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,918,864
FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E.V. 2,925,734
FREDERIKSEN, JENS SONDERBERG 2,778,396
FREESE, ROBERT PAUL 2,933,814
FREI, CHRISTIAN 2,894,761
FRIANEZA-KULLBERG, TERESITA 2,905,525
FRIEDLANDER, STEVEN 2,816,724
FRIETS, ERIC M. 2,801,508
FROISSARD, LOIC 2,802,421
FROLOV, ALEXANDER 2,789,843
FUCHS, GUILLAUME 2,925,734
FUJIFILM VISUALSONICS, INC. 2,878,789
FUJIMURA, AKINORI 2,909,020
FUJIWARA, SHINICHI 2,934,926
FUKUDA, MASAKAZU 2,814,387
FUNDACIO INSTITUT DE RECERCA DE L'ENERGIA DE CATALUNYA 2,822,911
FUNKHOUSER, GARY P. 2,928,237
FUSI, ROBERT W., II 2,825,209
FUTURE TECHNOLOGY (UK) LTD 2,814,125
GALLEY, THOMAS PAUL 2,924,639
GALLIGREEN CORPORATION 2,924,852
GALLIMORE, GAMILA 2,924,852
GAO, XIAOLIANG 2,736,443
GAO, XIAOLIANG 2,736,685
GARCIA, ESMERALDA ANN 2,820,197
GARDNER, MARGARET M. 2,807,463
GARRETT THERMAL SYSTEMS LIMITED 2,764,010
GAUCHEL, JAMES VINCENT 2,895,057
GAVRIN, LORI KRIM 2,944,475
GELFAND, CRAIG A. 2,909,355
GEMALTO SA 2,924,737
GEN-PROBE INCORPORATED 2,524,572
GEN-PROBE INCORPORATED 2,964,930
GENCO, KEITH R. 2,786,573
GENERAL ELECTRIC COMPANY 2,746,920
GENERAL ELECTRIC COMPANY 2,803,561
GENIUS GMBH 2,951,342
GENOMIC HEALTH, INC. 2,829,476
GENOMIC HEALTH, INC. 2,829,477
GENZYME CORPORATION 2,779,452
GEORGIA STATE UNIVERSITY RESEARCH FOUNDATION, INC. 2,606,876
GEORGIEV, GEORGI Y. 2,967,954
GEREMIA, JOHN M. 2,864,086
GERLIGAND, PIERRE 2,784,346
GETAHOUN, TAMERU 2,778,346
GHEZZI, ALESSANDRO ANGELO 2,772,008
GIBSON, DANIEL G. 2,701,923
GIDDES, RICHARD G. 2,927,783
GIDLEY-BAIRD, ANGUS 2,729,868
GILEAD SCIENCES, INC. 2,767,088
GIMBLET, MICHAEL JOHN 2,962,220
GINN, RICHARD S. 2,806,755
GINSBERG, BARRY 2,951,841
GIRARD, REGIS 2,807,254
GIROTTO, SERGIO 2,868,441
GITTARD, SHAUN D. 2,925,900
GIVENS, RAY 2,740,482
GIVOT, MAIKEN 2,797,096
GLASS, JOHN I. 2,701,923
GLEZER, ELI N. 2,820,483
GLORE, CHARLES DOUGLAS 2,760,457
GODEAU, JEAN-FRANCOIS 2,825,357
GODECKER, WILLIAM J. 2,902,184
GODFREY, CAROL J. 2,760,457
GODFREY, JAMES ANDREW 2,731,877
GODFREY, ROBERT J. 2,977,236
GOLDBERG, JOEL ADAM 2,944,475
GOLDCORP INC. 2,952,568
GOLITHADKA, UMESH BAIKUNJE 2,777,232
GONNET, ROMAIN 2,802,421
GOODRICH CORPORATION 2,755,101
GOOGLE LLC 2,745,406
GOOGLE LLC 2,818,207
GOOGLE LLC 2,929,621
GORDON, PAUL 2,898,951
GORDT, DENNIS 2,936,575
GOURLAY, TERENCE 2,766,670
GOUTHIERE, CHRISTOPHE 2,737,957
GRABER, DANIEL 2,813,809
GRANDGIRARD, BASTIEN 2,802,421
GRAPHIC PACKAGING INTERNATIONAL, LLC 2,933,111
GRAU, ALEX 2,814,183

GRAY, JOHN C. 2,883,992
GRECA, GERALD A. 2,899,799
GREGAR, PETER 2,848,390
GREGUREK, PHILIP M. 2,796,454
GRETHER-SCHENE, HEIDRUN 2,804,169
GRIBBLE, CHRISTOPHER W. 2,718,216
GRILLI, MARIAGRAZIA 2,801,281
GROSJEAN-COURNOYER, MARIE-CLAIRE 2,710,178
GRUBB, FRED 2,777,767
GUIVER, MICHAEL D. 2,780,796
GUPTA, D.V. SATYANARAYANA 2,849,248
GUPTA, NISHA 2,807,362
GUPTA, PAWAN KUMAR 2,777,232
GURA, RON 2,912,759
HADLEY, BRENT LOUIS 2,763,229
HAGENBUCH, KONRAD 2,894,761
HAKOZAKI, TOMOHIRO 2,815,665
HALKA, JOHN 2,732,837
HALLEY, BERANI A. C. 2,963,242
HALLIBURTON ENERGY SERVICES INC. 2,935,841
HALLIBURTON ENERGY SERVICES, INC. 2,876,005
HALLIBURTON ENERGY SERVICES, INC. 2,922,573
HALLIBURTON ENERGY SERVICES, INC. 2,923,008
HALLIBURTON ENERGY SERVICES, INC. 2,923,251
HALLIBURTON ENERGY SERVICES, INC. 2,924,639
HALLIBURTON ENERGY SERVICES, INC. 2,933,814
HALLUNDBAEK, JORGEN 2,773,270
HALTIWANGER, RALPH C. 2,901,204
HAMAMOTO, SHIGEKI 2,821,879
HAMAMOTO, SHIGEKI 2,821,887
HAMAMOTO, SHIGEKI 2,821,894
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NADA, MITSUHIRO 2,909,843
NAGANUMA, YOSHIAKI 2,909,843
NAGY, DONALD J. 2,764,627
NAKADA, NAOYUKI 2,851,997
NAKAKITA, YASUKAZU 2,869,292
NAKAMURA, JUN 2,939,517
NAMDAR, NADER 2,767,876
NAMDARAN, AZITA N. 2,880,082
NANO ONE MATERIALS CORP. 2,905,525
NAROVLYANSKY, MAX 2,754,577
NASH, ANDREW DONALD 2,838,246
NASSIF, XAVIER 2,674,648
NATIONAL RESEARCH COUNCIL OF CANADA 2,579,478
NATIONAL RESEARCH COUNCIL OF CANADA 2,780,796
NATIONAL RESEARCH COUNCIL OF CANADA 2,797,217
NATIONAL UNIVERSITY CORPORATION TOTTORI UNIVERSITY 2,851,997
NAVICO HOLDING AS 2,921,317
NEMER, JOSEPH C. 2,903,401
NERIUM BIOTECHNOLOGY, INC. 2,739,029
NESTEC S.A. 2,800,014
NETCHITAILO, VLADIMIR 2,850,483
NEUSINGER, MATTHIAS 2,925,734
NEW WORLD ENERGY ENTERPRISES LIMITED 2,765,807
NEW YORK UNIVERSITY 2,814,183
NEWBY, C. MARK 2,812,981
NG, PHILIP 2,733,811
NG, WANG FAI 2,701,969
NGK SPARK PLUG CO., LTD. 2,899,685
NGK SPARK PLUG CO., LTD. 2,900,459
NGUYEN, HIEN V. 2,889,310
NI, CHING-TSUNG 2,889,877
NIE, ZHIHONG 2,754,577
NIJHUIS, CHRISTIAN 2,754,577
NIKE INNOVATE C.V. 2,817,573
NILSEN, PAAL JAHRE 2,965,422
NIPPON PAINT AUTOMOTIVE COATINGS CO., LTD. 2,934,926
NIPPON SODA CO., LTD. 2,924,432
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,904,122
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,921,411
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,932,856
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,939,517
NIPPON STEEL & SUMITOMO METAL CORPORATION 2,944,845
NISHIDA, MAKOTO 2,822,048
NISHIKAWA, YUKIHIRO 2,921,411
NISHIKAWA, YUKO 2,816,724
NISSAN MOTOR CO., LTD. 2,832,445
NISSHINBO CHEMICAL INC. 2,810,309
NISTICA, INC. 2,734,134
NISTOR, GABRIEL 2,711,267
NITTAN VALVE CO., LTD. 2,921,947
NOOR, NOMAN S. 2,880,082
NORRIS, JIM D. 2,795,631
NORTMEYER, CHRISTINE 2,910,360
NOVA CHEMICALS CORPORATION 2,736,443
NOVA CHEMICALS CORPORATION 2,736,685
NOVAMONT S.P.A. 2,773,445
NOVARTIS AG 2,780,970
NOVOCURE LTD. 2,563,817
NUMERI LTD. 2,886,174
NYDAM, BARRON 2,756,293
NYDAM, WILLIAM 2,756,293
O'CONNOR, DOUGLAS P. 2,718,216
O'TOOLE, DORIS C. 2,619,673
OARE, CATRIONA A. 2,677,125
OATEY CO. 2,930,239
OBA, TRAVIS 2,966,311
ODEGAARD, BRUCE 2,753,598
ODLE, ROBERT R. 2,778,396
OEXMAN, ROBERT D. 2,724,593
OGAWA, MISAO 2,932,856
OGAWA, YASUSHI 2,981,674
OGUCHI, HIROKI 2,945,933
OH, SEI RYANG 2,921,845
OH, SEUNG JIN 2,933,154
OH, SOO MI 2,934,942
OHBUCHI, MASATO 2,851,997
OHGAYA, SYUNJI 2,806,813
OKAZAKI, HIROKI 2,821,879
OKAZAKI, HIROKI 2,821,887
OKAZAKI, HIROKI 2,821,894
OKAZAKI, HIROKI 2,821,905
OKAZAKI, HIROKI 2,829,864
OKAZAKI, SHINYA 2,821,879
OKAZAKI, SHINYA 2,821,887
OKAZAKI, SHINYA 2,821,894
OKAZAKI, SHINYA 2,821,905
OKAZAKI, SHINYA 2,829,864
OKU, TAKANORI 2,832,445
OKURA, MASAYUKI 2,927,080
OLESON, MICHAEL 2,873,802
OLSON, JOHANNA S. 2,836,151
OMURA, TOMOHIKO 2,939,517
OMURA, YOSHIHITO 2,806,813
ONCOTHERM KFT. 2,711,924
ONO, EIKI 2,973,106
ONODERA, OSAMU 2,759,457
OPEX CORPORATION 2,798,483
ORAL, ELIF ARIOGLU 2,800,255
ORAL, HAKAN 2,800,255
ORO AGRI INC. 2,883,587
ORR, BRIAN 2,738,305
OSHIMURA, MITSUO 2,851,997
OSUKI, TAKAHIRO 2,939,517
OSWALDSON, ROLF 2,802,646
OTSUKA AMERICA PHARMACEUTICAL, INC. 2,659,215
OTTO, ERIK 2,615,575
OWENS, MARK H. 2,751,741
PACHIKARA, ABRAHAM J. 2,887,795
PACIFIC ARROW LIMITED 2,579,231
PACZKOWSKI, LYLE WALTER 2,994,711
PADULA, THOMAS 2,771,860
PAGGIOS, KONSTANTINOS 2,719,611
PAL, RAKHI 2,777,232
PALOX LIMITED 2,773,679
PALTI, YORAM 2,563,817
PAMPLIN, CHARLES L., III 2,807,463
PAN, MINGPAN 2,716,759
PANOUSIS, CON 2,838,246
PAPAIOANNOU, NIKOLAOS 2,944,475
PAPANIA, MARK J. 2,801,508
PARENT SOLUTION GROUP, LLC 2,770,917
PARENT, HENRY FRANCOIS 2,785,617

PARK, BEOM SU 2,921,845
PARK, MAHN HOON 2,814,947
PARK, SUNG-IK 2,882,457
PARK, SUNG-IK 2,883,547
PATEL, NANDINI CHATURBHAI 2,899,294
PATERLINI, EMILIO 2,731,588
PATNY, AKSHAY 2,944,475
PATRY, MARC-ANDRE 2,746,596
PAWLAK, SEBASTIAN DOMINIK 2,800,841
PCS HOLDING B.V. 2,763,863
PEARCE, KENNETH A. 2,657,309
PECK, JESSE R. 2,902,184
PEITZ, ALFRED 2,967,864
PELOQUIN, GUY 2,807,254
PENTONY, MARTIN 2,709,847
PENTYALA, SRINIVAS N. 2,758,642
PEREZ, ERIC M. 2,797,520
PERKINELMER HEALTH SCIENCES, INC. 2,725,861
PERKINELMER HEALTH SCIENCES, INC. 2,828,967
PERKINS, DAVID 2,933,814
PERKINS, DAVID L. 2,935,841
PERLIN, KENNETH 2,814,183
PERLMAN, STEPHEN G. 2,657,309
PERNODET, NADINE A. 2,894,764
PERRIER, JEAN-CHRISTOPHE 2,737,957
PETERS, MICHAEL 2,967,864
PEUKERT, THOMAS 2,923,507
PFIZER INC. 2,899,294
PFIZER INC. 2,944,475
PHOENIXBIO CO., LTD. 2,851,997
PIECZYKOLAN, JERZY SZCZEPAN 2,800,841
PIEPER, ANDREW A. 2,748,813
PIERCE, BETSY SUSAN 2,944,475
PIKE, CHAD R. 2,936,123
PIMENTEL, JULIO 2,835,054
PINSKY, MARK A. 2,876,767
PINTOR, RAFAEL 2,966,311
PIOTROWSKI, THEO 2,739,792
PLAIN, SIMON 2,923,754
PLYMOVENT GROUP B.V. 2,839,232
PODGURNY, LEONARD JOHN 2,969,278
POKUSA, KENNETH C. 2,732,837
POLINO, GIUSEPPINA 2,930,385
POLSTON, SCOTT ROSS 2,776,653
POLTER, H.R. 2,871,240
PONTRUCHER, MARC HENRI YVES 2,822,552
POPA, RALUCA ALINA 2,818,776
POPOVICH, DAVID 2,862,446
PORCHIA, JOSE 2,886,021
PORTER, CHARLES 2,807,659
POSCO 2,930,363
PPG COATINGS (TIANJIN) CO., LTD. 2,955,863
PPG INDUSTRIES OHIO, INC. 2,930,385
PRAIRIE PLANT SYSTEMS INC. 2,751,741
PRASAD, SHISHIR 2,927,783
PRASANNA, JYOTHI 2,777,232
PRAXAIR TECHNOLOGY, INC. 2,824,362
PREGIBON, DANIEL C. 2,802,049
PRESANO AG 2,813,809
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,754,577
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 2,779,452
PRESSLIE, MARK WILSON 2,778,190
PRICE, DAVID 2,615,575
PRICE, JAMES M. 2,935,841
PRITCHARD, ADAM 2,764,493
PROFOUND MEDICAL INC. 2,800,238
PRZYBYLINSKI, JAMES P. 2,747,717
PUDDIPHATT, DAVID 2,804,169
PULLEN, ERROLL M. 2,883,587
PULLEN, MELVIN DONOVAN 2,883,587
PUPPALA, MADHAV SAI 2,928,576
QUALCOMM INCORPORATED 2,636,591
QUALCOMM INCORPORATED 2,867,756
QUIGNARD, ALAIN 2,727,648
RAATS, JOZEF MARIA HENDRIK 2,726,511
RABIZADEH, SHAHROOZ 2,830,215
RAJAGOPAL, ARUN 2,994,711
RAJAN, ARUN 2,764,493
RAMIREZ DE SANTIAGO, MARIO 2,903,564
RAN, ADEE O. 2,908,681
RATCLIFF, JAMES L. 2,820,197
RATEICZAK, MITJA 2,782,703
RATTRAY, ROBBIE 2,862,446
RAUNDAHL, CHRISTOFFER 2,814,316
RAWWATER ENGINEERING COMPANY LIMITED 2,840,538
RAYLE, JEFFREY S. 2,726,045
READY, JOSEPH M. 2,748,813
REAGAN, JOSEPH ROBERT 2,806,976
REARDEN MOVA, LLC 2,657,309
REDDING, GLENN K. 2,928,880
REED, GRAHAM 2,898,951
REFRACTORY INTELLECTUAL PROPERTY GMBH & CO. KG 2,900,830
REICHINGER, STEPHAN-FERDINAND 2,815,721
REINE, MICHAEL 2,739,792
RENT A TOLL, LTD. 2,690,059
REPAC, CEDOMIR 2,951,342
REYES AVILA, ROMEO JESUS 2,903,564
RICHARDSON, KURT 2,835,054
RICHARDSON, THOMAS 2,917,894
RIEDEL, UWE 2,719,611
RIEDER, ERIC MICHAEL 2,878,789
RINNERT, THORSTEN 2,915,216
RIO TINTO ALCAN INTERNATIONAL LIMITED 2,807,254
ROBERGE, HUBERT 2,725,516
ROBERTS, MICHAEL STEPHEN 2,629,904
ROBINS, HARLAN S. 2,858,070
ROBINSON, BENJAMIN P. 2,690,059
ROBINSON, HARRIET L. 2,454,959
ROCKWOOL INTERNATIONAL A/S 2,769,370
ROCKWOOL INTERNATIONAL A/S 2,815,721
ROCKY MOUNTAIN COASTERS, INC. 2,777,767
ROFIN-SINAR TECHNOLOGIES INC. 2,857,820
ROFIN-SINAR TECHNOLOGIES INC. 2,857,840
ROHRIG, FABIAN 2,934,372
ROMMELAERE, JEAN 2,849,370
ROSATI, ROBERT 2,964,930
ROSE, DARREN 2,939,408
ROSE, MEHRAN 2,719,611
ROSEMOUNT ANALYTICAL INC. 2,903,401
ROSEN SWISS AG 2,886,949
ROSEN, BRIAN 2,794,105
ROSENBERG, GORM 2,769,370
ROSENBLATT, JOEL 2,807,362
ROSENFELD, LEONARD G. 2,889,310
ROSKELLEY, CALVIN 2,568,806
ROSSI, LAURENT 2,751,857
ROTHENBERG, ASHLEY RACHEL 2,909,355
ROTTJER, CHRISTOPH 2,814,316
ROUNDING, MICHAEL 2,735,799
ROVI GUIDES, INC. 2,346,731
ROY, NORMAND 2,746,596
RUBINSKI, JEFFREY MICHAEL 2,726,045
RUMANN, HILDEBRAND ARGIE 2,807,659
RUSSELL, STEVEN CRAIG 2,746,920
RYBAK, MICHAEL A. 2,892,407
RYUMAN, MITSUHIRO 2,934,993
S.C. JOHNSON & SON, INC. 2,886,021
SAFRAN LANDING SYSTEMS CANADA INC. / SAFRAN SYSTEMES D'ATTERRISSAGE CANADA INC. 2,742,166
SAGEM DEFENSE SECURITE 2,822,552
SAIAH, EDDINE 2,944,475
SAINT-GOBAIN GLASS FRANCE 2,782,703
SAINT-GOBAIN GLASS FRANCE 2,802,421
SAITO, SHINJIRO 2,940,808
SAITO, SHINJIRO 2,941,985
SAKAGUCHI, NAOKI 2,875,208
SALAZAR, OSCAR 2,782,611
SALVATI, MICHAEL 2,753,598
SAMAIN, ERIC 2,645,141
SAMSUNG ELECTRONICS CO., LTD. 2,834,841
SAMSUNG ELECTRONICS CO., LTD. 2,933,154
SAND, THEODORE T. 2,542,120
SANDEN, CHRISTOPHER 2,755,101
SANDERS, MICHAEL P. 2,907,743
SANTHANAM, UMA 2,778,346
SAPPER, RICHARD 2,844,366

SAPPORO HOLDINGS LIMITED 2,869,292
SARKAR, MANTU 2,629,904
SASAKI, SUSUMU 2,860,157
SATO, JUN 2,923,578
SATO, MASAFUMI 2,923,578
SATO, RYUICHIRO 2,814,387
SATO, YOSHIKUNI 2,899,685
SAUDI ARABIAN OIL COMPANY 2,840,979
SAVARI, SHARATH 2,876,005
SAXBY, PETER 2,778,396
SCALES, CHARLES W. 2,791,517
SCHAAF, AMERICA O. 2,857,523
SCHALLER, BRADLEY A. 2,977,236
SCHANG, BERNARD 2,751,857
SCHEERS, MARGARET O'BRIEN 2,906,324
SCHEUING, DAVID R. 2,791,517
SCHIBSBYE, KARSTEN 2,913,825
SCHICK, CHRISTOPH E. G. 2,725,861
SCHILKE, ALAN 2,777,767
SCHLARB, ANDREAS 2,782,703
SCHLUMBERGER CANADA LIMITED 2,694,886
SCHMAUDER, CHRISTOPHER ROBERT 2,880,081
SCHMOELLER, JOE W. 2,724,593
SCHRADER, KURT 2,764,493
SCHULTZ, ROGER L. 2,928,237
SCHUYLER, ROBERT KEVIN 2,812,564
SCHWABEL, MARK G. 2,797,096
SCIABOLA, SIMONE 2,899,294
SCORSONE, JASON T. 2,876,005
SCOTT, DAVID B. 2,724,593
SCOTT, EDWARD DOCHERTY 2,778,190
SEB S.A. 2,737,957
SEDDON, DAVID ALAN 2,962,220
SEEGENE, INC. 2,770,588
SEETHARAM, RAVIRAJA NEELAVAR 2,777,232
SEI OPTIFRONTIER CO., LTD. 2,814,387
SEIDL, ALEX 2,799,073
SEIDMAN, GERALD 2,814,183
SEKIHARA, TAKANORI 2,923,578
SENSEWHERE LIMITED 2,785,283
SENTAR PHARMACEUTICALS 2,888,219
SEREGIN, VADIM 2,867,756
SEVAK, ZANKAR UPENDRAKUMAR 2,785,283
SHAK, STEVE 2,829,476
SHAK, STEVE 2,829,477
SHAPIR, NIR 2,753,598
SHASHIDHAR, ANANTHRAM KOTA 2,900,648
SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC. 2,963,242
SHAY, BRIAN 2,848,305
SHECHTER, RONEN ITZHAK 2,820,663
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 2,780,660
SHENFIELD, MICHAEL 2,731,877
SHERWOOD, ANNA M. 2,858,070
SHI, GENBAO 2,919,051
SHICHIDA, TAKAFUMI 2,900,459
SHIMADA, TAKASHI 2,851,997
SHOAP, STEPHEN D. 2,891,833
SHOWALTER, DAVID LEE 2,878,443
SHOWMAN, RALPH E. 2,783,978
SHUMATE, MONROE WILLIAM 2,748,741
SIEMENS AKTIENGESELLSCHAFT 2,898,392
SIEMENS AKTIENGESELLSCHAFT 2,913,825
SIEMENS AKTIENGESELLSCHAFT 2,934,372
SIEMENS AKTIENGESELLSCHAFT 2,949,575
SIGAL, GEORGE 2,820,483
SIGNODE INDUSTRIAL GROUP LLC 2,962,005
SILBERT, ROLF 2,964,930
SILVA, ALEJANDRO 2,900,648
SIM, LEE HOONG 2,863,210
SIM, STANLEY 2,812,981
SIM, TIONG YEE 2,863,210
SIMARD, GUY 2,807,254
SIMCRO LIMITED 2,868,339
SIMMERS, DOUGLAS E. 2,903,401
SIMO, MARIAN 2,824,362
SINDELAR, HAROLD MARK 2,792,460
SINGH, BAWA 2,665,219
SIRONA MEDICAL TECHNOLOGIES, INC. 2,730,625
SISCO, FARAHNAZ TANNI 2,880,082
SKERLJ, RENATO 2,779,452
SKOLNICK, PHIL 2,659,215
SKONIECZNY, JEFFREY 2,936,123
SLOAN, MARK K. 2,686,641
SMART TECHNOLOGIES ULC 2,735,799
SMART TECHNOLOGIES ULC 2,862,434
SMART TECHNOLOGIES ULC 2,862,446
SMARTTRUCK SYSTEMS, LLC 2,798,612
SMIDT, MARTIN LUCAS 2,898,951
SMITH & NEPHEW ORTHOPAEDICS AG 2,799,073
SMITH INTERNATIONAL, INC. 2,796,454
SMITH, CHAD 2,927,783
SMITH, DANIEL R. 2,880,082
SMITH, EDWARD DEWEY, III 2,916,297
SMITH, HAMILTON O. 2,701,923
SMITH, KORWIN J. 2,836,151
SMITH, MICHAEL 2,898,392
SMITH, NORMAN T. 2,677,125
SMITH, WILLIAM L. 2,791,517
SMOTHERS, DONALD 2,739,029
SMYTH, ANDREW 2,765,807
SMYTH, DAVID 2,765,807
SMYTH, GERARD 2,765,807
SMYTH, JAMES 2,765,807
SMYTH, PETER 2,765,807
SNECMA 2,794,598
SNECMA 2,823,525
SNYDER, RONALD 2,844,366
SOCKET SOLUTIONS, LLC 2,947,173
SOHN, KI-YOUNG 2,921,845
SOLOSHONOK, VADIM A. 2,912,585
SOLTMANN, WILLIAM 2,933,814
SOLVAY SA 2,808,551
SOMASIRI, ARUNA 2,568,806
SON, YOUNG-JIN 2,893,575
SONG, YUANJIE 2,955,863
SONY CORPORATION 2,816,724
SORNIK, FRANK 2,936,575
SOUCY INTERNATIONAL INC. 2,746,596
SOUTHWIRE COMPANY, LLC 2,760,457
SPECGX LLC 2,738,305
SPECK, JOHN 2,657,309
SPEIRS, BRIAN C. 2,965,581
SPICA, GILBERT 2,710,178
SPIELES, GISBERT 2,820,483
SPRAINIS, JOHN M. 2,848,390
SPRAINIS, RONALD J. 2,848,390
SPRINT COMMUNICATIONS COMPANY L.P. 2,994,711
SPRUELL, STEPHEN L. 2,760,457
ST-LAURENT, MATTHIEU 2,807,254
STAAS, JAY K. 2,575,866
STARBUCKS CORPORATION D/B/A STARBUCKS COFFEE COMPANY 2,848,305
STARK, RICHARD L. 2,900,648
STEELE, MIRANDA 2,738,305
STEIL, GARRY M. 2,761,647
STEINDL, ROMAN 2,835,445
STEINKE, ELAINE 2,807,362
STEKLASA, ROBERT FRANK 2,950,955
STELLEMA, CORNELIS SJOUKE 2,802,616
STEMPEUTICS RESEARCH PVT. LTD. 2,777,232
STEPAN COMPANY 2,948,110
STEPHEN, ANTHONY R. 2,811,984
STEWART, MATTHEW 2,803,561
STILE, JASON L. 2,913,909
STOEV, ORLIN VESSELINOV 2,744,460
STONER, ISAAC 2,802,049
STONY BROOK ANAESTHESIOLOGY, U.F.P.C. 2,758,642
STORA ENSO OYJ 2,764,217
STRASSER, THOMAS ANDREW 2,734,134
STRICKLAND, KEITH 2,735,524
STRID, KENT 2,802,646
STROHBACH, JOSEPH WALTER 2,944,475
STRUZIK, ALAIN 2,946,644
STUDT, RALF 2,934,372
SUGARCRM INC. 2,830,711
SUGINO, MANABU 2,832,445
SUGINO, MASAAKI 2,921,411
SUGIYAMA, HARUO 2,677,075
SULZER METCO AG 2,722,865
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,821,879
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,821,887
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,821,894

SUMITOMO SEIKA CHEMICALS CO., LTD. 2,821,905
SUMITOMO SEIKA CHEMICALS CO., LTD. 2,829,864
SUN, MIAO-KUN 2,864,550
SUPERIOR ENERGY SERVICES, L.L.C. 2,898,799
SUUTARINEN, AKI 2,836,190
SUZUKI, HIROYUKI 2,909,843
SUZUKI, TAKUYA 2,923,578
SWADI, SHANTANU N. 2,796,454
SWAGELOK COMPANY 2,726,045
SYNTHETIC GENOMICS, INC. 2,701,923
SYRAH FINANCE 2,827,048
SZASZ, ANDRAS 2,711,924
SZASZ, NORA 2,711,924
SZASZ, OLIVER 2,711,924
TACHIKAWA CORPORATION 2,874,049
TACTONIC TECHNOLOGIES, LLC 2,814,183
TAFALLA PINEIRO, CAROLINA 2,819,206
TAKAHASHI, MASAHIDE 2,850,467
TAKAHASHI, SHIGERU 2,923,578
TAKAHASHI, TAKEO 2,927,080
TAKANO, TOMOHIRO 2,981,674
TAKAYANAGI, HIROSHI 2,814,387
TAKEDA, RYOSUKE 2,912,585
TAKEUCHI, NORIHIRO 2,822,048
TALBOT, COREY 2,802,022
TAMMER, OLEV 2,964,930
TAN, CHEE LEONG ALVIN 2,812,981
TANAHASHI, HIROYUKI 2,904,122
TANAKA, TOSHIMASA 2,945,933
TANAKA, WATARU 2,941,985
TANAKA, YASUHARU 2,932,856
TANNO, FUMIO 2,810,309
TAOUFIK, YASSINE 2,753,148
TAPUSKA, DAVID F. 2,892,407
TAQQU, JONATHAN 2,764,493
TARAO, AKIKO 2,797,230
TARKETT GDL 2,840,109
TASHIRO, KAORU 2,797,230
TASSONE, DAMON 2,764,493
TAVARES-RODRIGUES, MARCO-ANTONIO 2,800,369
TAYLOR, ANDREW CLIVE 2,786,633
TAYLOR, CAMERON 2,862,434
TECHNOLOGIES HOLDINGS CORP. 2,977,236
TELEFLEX MEDICAL INCORPORATED 2,807,362
TEMPEA, GABRIEL-FLORIN 2,803,965
TENCENT TECHNOLOGY (SHENZHEN) COMPANY LIMITED 2,895,964
TERUMO KABUSHIKI KAISHA 2,875,208
TESORIERO, TOM 2,886,327
THAKUR, RANJIT 2,780,970
THE BOEING COMPANY 2,763,229
THE BOEING COMPANY 2,857,523
THE BOEING COMPANY 2,880,082
THE BOEING COMPANY 2,883,992
THE BOEING COMPANY 2,887,795
THE BOEING COMPANY 2,900,648
THE CLOROX COMPANY 2,791,517
THE FAMILY TRUST U/T/A DATED 12/08/1995 2,893,701
THE GILLETTE COMPANY LLC 2,882,090
THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION 2,801,508
THE GOVERNMENT OF THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES 2,454,959
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CHUDA, KATARZYNA 3,009,024
CHUDA, KATARZYNA 3,009,134
CHUTTER, PAUL 3,009,376
CIAMBELLA LTD. 3,009,166
CICHIELO, ROBERT N. 3,008,871
CIL, ONUR 3,009,510
CIUFOLINI, MARCO A. 3,008,909
CLAERHOUT, MICHAEL CLARENCE 3,008,912
CLARIANT INTERNATIONAL LTD 3,009,541
CLARKE, ANDREW JOHN 3,009,360
CLAUWAERT, EDDY 3,008,251
CLAVIER, VINCENT 3,009,022
CLAYFIELD, TIMOTHY E. 3,009,192
CLEANNG LLC 3,009,071
CLERMONT, BERNARD 3,009,126
CLOUT, DANIELLE ELISA WILLEMINE 3,009,276
CMI DEFENCE S.A. 3,009,126
COELHO, DAVID 3,009,484
COELHO, DAVID 3,009,488
COHEN, BENJAMIN 3,009,102
COHEN, ERAN 3,008,674
COLE, DEREK 3,009,325
COLGATE-PALMOLIVE COMPANY 3,008,367
COLGATE-PALMOLIVE COMPANY 3,008,379
COLGATE-PALMOLIVE COMPANY 3,009,072
COLGATE-PALMOLIVE COMPANY 3,009,197
COLGATE-PALMOLIVE COMPANY 3,009,199
COLGATE-PALMOLIVE COMPANY 3,009,246
COLGATE-PALMOLIVE COMPANY 3,009,516
COLLINGS, MARTYN WALTER GOODWIN 3,009,505
COLLINS, CHARLES 3,009,521
COLLINS, CHARLES 3,009,540
COMAU LLC 3,008,600
COMAU LLC 3,008,839
COMAU S.P.A. 3,009,301
COMBS, GEORGE 3,009,142
COMPAGNIE GERVAIS DANONE 3,008,932
CONDIDI, JOHN 3,009,173
CONRAD, NINA 3,009,234
CONRAD, WAYNE 3,009,234
CONRIG PHARMA APS 3,008,920
CONSTUBLE, DALE L. 3,008,258
CONSUMERNEXT GMBH 3,009,233
CONZELMANN, MARKUS 3,009,551
COOPER, ALEXANDER H. 3,008,683
CORBETT, TERRENCE 3,009,487
CORMIER, MICHAEL N. 3,009,182
CORNELIUS, PETER 3,008,960
CORNELL UNIVERSITY 3,008,942
COTNER, BASCOM C. 3,009,068
COTTRELL, LEE M. 3,009,234
COULSON, STUART 3,009,535
COUR PHARMACEUTICALS DEVELOPMENT COMPANY INC. 3,008,892
COUSAERT, ERIK 3,008,970
COVERIS HOLDING CORP. 3,009,496
COVESTRO LLC 3,009,142
COVIDIEN LP 3,009,420
COWAN, CHAD ALBERT 3,009,308
CREE, ROBERT E. 3,009,077
CREE, ROBERT E. 3,009,079
CREE, ROBERT E. 3,009,083
CREMENS, DANIEL 3,009,524
CRISPR THERAPEUTICS AG 3,009,308
CROFT, LAURA 3,009,378
CUELLO JIMENEZ, WALMY 3,009,167
CULLIS, PIETER R. 3,008,909
CUOQ, FABRICE 3,009,069
CUREVAC AG 3,009,551
CURRY, WILLIAM 3,008,816
CUTSFORTH, DUSTIN L. 3,008,957
CUTSFORTH, INC. 3,008,957
CUTSFORTH, ROBERT S. 3,008,957
CUVO, ANTHONY J. 3,009,356
CYTEC INDUSTRIES INC. 3,009,329
CYTEC INDUSTRIES INC. 3,009,340
D'AMBROGIO, ROBERT 3,009,072
DAEP, CARLO 3,009,072
DAHME, BRET ANTHONY 3,009,358
DAIGLE, JEAN-CHRISTOPHE 3,009,391
DAKSHINAMURTHY, PRAVIN KUMAR 3,009,457
DAL NEGRO, ENRICO 3,009,084
DALLY, BRICE NATHANIEL 3,009,057
DALLY, BRICE NATHANIEL 3,009,058
DALLY, BRICE NATHANIEL 3,009,067
DAMHORST, GREGORY 3,009,520
DAMNJANOVIC, JELENA 3,008,901
DANA-FARBER CANCER INSTITUTE, INC. 3,009,186
DANIEAU, FABIEN 3,009,536
DANJO, TOMOHIRO 3,009,159
DANONE S.A. 3,009,380
DAVIS, DAVID T. 3,008,967
DAVIS, JASON 3,008,885
DAVIS, PAULINA 3,009,317
DAVIS, STEVEN CHARLES 3,009,338
DAWSON-HAGGERTY, MICHAEL 3,009,102
DE COSTA, PATRICIA 3,009,135
DE MARCO, EMILIANO 3,009,544
DE PONNAT, ARNAUD 3,009,023
DEANS, ROBERT J. 3,009,063
DEBENEDICTIS, LEONARD C. 3,009,414
DEBIEN, LAURENT PIERRE PAUL 3,009,196
DELEU, ARNAUD 3,008,814
DELTA DRIVEN 24 SPRL 3,009,122
DEMATHIEU-ROELTGEN, CAROLINE 3,009,024
DEMATHIEU-ROELTGEN, CAROLINE 3,009,134
DEMIRCI, UTKAN 3,009,087
DENDRITIC NANOTECHNOLOGIES, INC. 3,008,648
DERRIEN, MURIEL 3,008,932
DESBOROUGH, LANE 3,009,351
DESBOROUGH, LANE 3,009,409
DETERS, VINCENT L. 3,009,354
DEVERAUX, QUINN 3,009,075
DHAWAN, SUMEET 3,009,465
DHIMAN, RAJEEV 3,009,182
DIAZ, LEYLA 3,008,965
DICKENS, THOMAS A. 3,008,816
DIGARD, SEBASTIEN 3,009,112
DIMITROV, PAVEL 3,008,816
DINGAL, P.C. DAVE P. 3,009,194
DINGERT, UWE 3,009,312
DIOGO, GERALD 3,009,452
DOBREE, JOEY 3,009,138
DOGLIONI MAJER, LUCA 3,009,284
DOGU, NIHAL 3,009,516
DOMPE' FARMACEUTICI S.P.A. 3,009,438
DONG, CHENGHU 3,008,921
DONG, CHENGHU 3,009,101

DORE, RENAUD 3,009,536
DOSKOW, GEORGE ALBERT 3,009,372
DOSTLER, MARTIN 3,008,981
DOUROS, BRYAN PHIL 3,009,359
DOVICHI, NORMAN 3,009,061
DOW GLOBAL TECHNOLOGIES LLC 3,008,820
DOW GLOBAL TECHNOLOGIES LLC 3,008,835
DOW GLOBAL TECHNOLOGIES LLC 3,009,192
DOWDEN, NATHAN 3,009,063
DOYLE, DOMINIC 3,009,562
DOYLE, TOM 3,009,108
DOYLE, TOM 3,009,112
DSM IP ASSETS B.V. 3,008,963
DU-THUMM, LAURENCE D. 3,009,197
DUAN, HOULI 3,009,241
DUBAS-FISHER, FIONA 3,009,149
DUBEY, ASHVINI KUMAR 3,009,457
DUBOVOY, VIKTOR 3,009,516
DUFFNER, EBERHARDT 3,009,092
DUGAS, MICHAEL R. 3,008,839
DUNCAN, BRAD 3,009,499
DUPONT NUTRITION BIOSCIENCES APS 3,009,060
DUPONT NUTRITION BIOSCIENCES APS 3,009,315
DUPUIS, MICHELLE MARIE 3,009,371
DURACK, GARY 3,009,520
DWARAKANATH, VARADARAJAN 3,008,721
DYLLA, SCOTT J. 3,009,484
EBERLIN, ALEX 3,009,149
ECA ROBOTICS 3,009,022
ECKELMAN, BRENDAN P. 3,009,075
ECO-OIL MILJOBRANSLEN I SVERIGE AB 3,009,145
ECOLAB USA INC. 3,008,933
ECOLAB USA INC. 3,009,069
EDWARDS LIFESCIENCES CORPORATION 3,008,683
EDWARDS, DAVID ROYCE 3,009,221
EDWARDS, J. LANNETT 3,009,195
EDWARDS, MIKE 3,008,905
EDWIN, LIONEL ERNEST 3,009,365
EGE KIMYA SAN. VE TIC. A. S. 3,008,251
EICHEL, DANIEL 3,008,889
EICHER, KEVIN L. 3,009,068
EINSPANIER, ALMUTH 3,009,282
EIO BIOMEDICAL LTD 3,009,458
EJIM, CHIDIRIM ENOCH 3,009,492
EJNERMARK, SEBASTIAN 3,009,044
EKMAN, JAAKKO 3,009,259
EL-KADY, MAHER F. 3,009,208
ELANCO US INC. 3,008,965
ELDER, DAVID 3,009,265
ELIZONDO, PAUL M., II 3,009,513
ELKEM SILICONES FRANCE SAS 3,009,545
ELLEMENT, NATHAN 3,009,526
ELLINGER, CHRISTIAN 3,009,542
ELLINGER, CHRISTIAN 3,009,564
ELLIS, ERIC 3,008,918
ELLOUL, SIVAN 3,009,063
EMERSTORFER, FLORIAN 3,009,430
ENGELEN, CHRISTOPH 3,008,929
ENGLEBERT, JOHN F. 3,008,967
ENGLER, ROBERT 3,009,489
ENVIROKURE, INCORPORATED 3,009,174
ERLE, ULRICH JOHANNES 3,009,465
ESASHI, EIJI 3,009,154
ESPINOSA, DAVID 3,008,721
ETABLISSEMENTEN FRANZ COLRUYT 3,008,970
ETHERFAX, LLC 3,008,871
ETHICON, INC. 3,009,330
ETTRIDGE, PETER 3,009,248
EVENSEN, OYSTEIN 3,009,344
EVENSEN, OYSTEIN 3,009,349
EXA CORPORATION 3,009,499
EXXONMOBIL RESEARCH AND ENGINEERING COMPANY 3,009,094
EXXONMOBIL UPSTREAM RESEARCH COMPANY 3,008,816
FABREGAT JOVE, GEORGINA 3,009,433
FABRICAS MONTERRERY, S.A. DE C.V. 3,009,490
FACEBOOK, INC. 3,009,157
FALCONER, ROBERT 3,009,296
FALTH, FREDRIK 3,009,539
FAN, XIAOBO 3,008,698
FANG, YUAN 3,009,252
FANG, YUJING 3,005,725
FANG, ZI LI 3,008,915
FANTON, NICOLAS 3,009,483
FARHANG, FAEZEH 3,009,383
FARRENBURG, CHAD 3,009,111
FAUFAU, JAMES 3,005,289
FEDDEMA, CHAD 3,008,954
FEI, XUN 3,008,465
FEIGE, JEROME 3,008,925
FEINGERSH, TAL 3,008,810
FELIX, AUGUSTUS 3,009,173
FENG, WEN 3,008,465
FENGLER, JOHN JOSEF PAUL 3,009,419
FERMANIUK, BRENT DANIEL 3,008,912
FEUSTEL, MICHAEL 3,009,541
FINZEL, BRYAN 3,008,839
FIRAS, JABER 3,009,225
FISHER CONTROLS INTERNATIONAL LLC 3,009,358
FISHER, PAUL 3,009,317
FITZGERALD, EDWARD DANIEL 3,009,170
FITZGERALD, MICHAEL 3,009,072
FITZGERALD, PETER 3,009,442
FLABBI, PAOLA 3,009,380
FLAX, DIRK 3,008,929
FLORENCIO, JAVIER 3,009,069
FM MARKETING GMBH 3,009,260
FMC CORPORATION 3,009,097
FONG, SARAH 3,009,488
FORMENTIN, JONATHAN 3,009,285
FORMWAY FURNITURE LIMITED 3,009,505
FOURNIER, FRANCES 3,008,721
FOUST, JASON 3,009,535
FOXCROFT, KATY 3,009,268
FRANCES, JEAN-MARC 3,009,545
FRANCOIS, ACHILLE 3,008,956
FRANGINEAS, GEORGE, JR. 3,009,414
FRANJIC, KRESIMIR 2,991,191
FRANKLIN, CASEY 3,009,484
FRESENIUS MEDICAL CARE DEUTSCHLAND GMBH 3,009,424
FRIEDMAN, ROBIN 3,009,470
FRIEDRICH AIR CONDITIONING, LLC 3,009,068
FRIPP, MICHAEL LINLEY 3,009,146
FRITSCHE, JENS 3,009,286
FRONEK, DANIEL R. 3,009,475
FU, JIANMIN 3,009,193
FU, LILING 3,008,942
FU, YONGTAO 3,009,431
FUJIWARA, KATSUAKI 3,009,159
FUKUDA, TSUYOSHI 3,009,130
FULLER, RICHARD L. 3,009,494
FUX, ELIE 3,008,981
GAINES, LYNNE H. 3,008,946
GALDERMA S.A. 3,009,263
GALDERMA S.A. 3,009,425
GALITZ, CHARLES M. 3,009,503
GANO, JOHN C. 3,009,146
GAO, LI 3,009,167
GARAULT, PEGGY 3,008,932
GARBOUCHIAN, BERJ 3,009,049
GARFUNKLE, JOIE 3,009,193
GARRISON, GARRI L. 3,009,494
GASMI, MEHDI 3,009,502
GATTIGLIO, MAURIZIO 3,009,301
GAUDET, PAUL J. 3,009,449
GAVISH-GALILEE BIO APPLICATIONS LTD 3,009,289
GE OIL & GAS ESP, INC. 3,009,521
GE OIL & GAS ESP, INC. 3,009,540
GELLER, BRUCE L. 3,009,342
GELLRICH, NILS-CLAUDIUS 3,009,091
GELLRICH, NILS-CLAUDIUS 3,009,106
GEN-PROBE INCORPORATED 3,008,891
GENERAL ELECTRIC COMPANY 3,009,523
GENESTE, HERVE 3,009,428
GENETEC INC. 3,009,078
GENOVESE, FEDERICA 3,009,445
GEORGETOWN RAIL EQUIPMENT COMPANY 3,008,893
GERARD, FRANCOIS 3,009,536
GERDES, JURGEN 3,009,233
GETTS, DANIEL R. 3,008,892
GEYER, CHRISTOPHER 3,009,102
GEYSENS, STEVEN 3,008,975
GHONGE, TANMAY 3,009,520
GHOSH, MALOY 3,009,457
GIANNELIS, EMMANUEL P. 3,008,942
GILL, AMRINDER SIGH 3,009,514
GILL, JASON 3,009,296
GILLESPIE, DAVID T. 3,008,820

GILLESPIE, DAVID T. 3,008,835
GIMMLER, NORBERT 3,009,206
GINESTRA, CYNTHIA NATALIE 3,009,057
GINESTRA, CYNTHIA NATALIE 3,009,058
GINESTRA, CYNTHIA NATALIE 3,009,067
GIRINA, OLGA A. 3,009,294
GLAXOSMITHKLINE BIOLOGICALS SA 3,009,111
GLIEDER, ANTON 3,009,272
GLOBAL SAFETY MANAGEMENT,INC. 3,009,524
GLOVE FIRST, LLC 3,008,946
GLYSENS INCORPORATED 3,009,489
GODFREY, ALASTAIR 3,009,297
GOLDBERG, MICHAEL SOLOMON 3,009,186
GOLDENBERG, DANA 3,009,289
GOLIKERI, SUDHIR 3,009,049
GOMES, GARRETT 3,009,353
GOMES, GARRETT 3,009,368
GONG, YAHUI 3,008,465
GOOGLE LLC 3,008,890
GOOGLE LLC 3,009,498
GOSSI, MATTHIAS 3,009,100
GOSSI, MATTHIAS 3,009,255
GOUGH, JULIAN 3,009,225
GPCP IP HOLDINGS LLC 3,009,361
GPCP IP HOLDINGS LLC 3,009,362
GRACO MINNESOTA INC. 3,008,888
GRATA, JEREMY A. 3,009,346
GRAY, NORMAN 3,009,188
GREENBERG, DAVID 3,009,342
GREENBERG, NORMAN ALAN 3,009,427
GREENE, DANIEL JOSEPH 3,009,173
GREENE, KYLE 3,008,916
GREENOVATION BIOTECH GMBH 3,009,393
GREENSHIELDS, DAVE 3,007,102
GREGER, INGO 3,009,541
GRENIER, JORDANE 3,009,547
GRENIER, JORDANE 3,009,548
GRENIER, JORDANE 3,009,549
GRIFFIN, JEREMY 3,009,173
GRIFFIN, MICHAEL E. 3,009,182
GRISSOM, GREGORY THOMAS 3,008,893
GROSS, RALF 3,009,149
GUERBET 3,008,913
GUERRERO, EDUARDO J. 3,009,068
GUILLONNEAU, XAVIER 3,009,553
GUILLOUET, PIERRE MARIE 3,008,910
GUIVARC'H, JEREMY 3,009,020
GUIVARC'H, JEREMY 3,009,226
GUIVARC'H, JEREMY 3,009,452
GUNDLACH, JAMES O. 3,009,076
GUO, JIAN 3,005,725
GUO, MINGFENG 3,009,258
GUPTA, SHEETANSHU 3,009,336
HA-INTERNATIONAL, LLC 3,009,064
HACKAUF, BERND 3,009,426
HAFERKAMP, SEBASTIAN 3,009,541
HAFFNER, KARSTEN 3,009,393
HAGE, RONALD 3,008,980
HAGEN, KLAUS 3,009,233
HAGUE, RUTH MARTINEZ 3,009,400
HALAN, VIVEK 3,009,457
HALLIBURTON ENERGY SERVICES, INC. 3,009,146
HALLIBURTON ENERGY SERVICES, INC. 3,009,160
HALLIBURTON ENERGY SERVICES, INC. 3,009,163
HALLIBURTON ENERGY SERVICES,INC. 3,009,162
HALLIBURTON ENERGY SERVICES,INC. 3,009,167
HALLOY, ELISE 3,009,122
HALLOY, GUILLAUME 3,009,122
HALLOY, HELENE 3,009,122
HALLOY, LOUIS 3,009,122
HAMMERSCHMIDT, WOLFGANG 3,009,115
HAN, HUI 3,007,102
HANADA, TADAYUKI 3,009,026
HANSEN, DAVE 3,008,905
HANSEN, JAN CHARLES 3,009,315
HANSEN, JOHN BONDO 3,008,920
HAO, WENLI 3,009,431
HAO, ZHIGANG 3,009,516
HARDI, JASON 3,009,151
HARDY, EUGENE 3,009,197
HARDY, EUGENE 3,009,246
HARMSEN, ALEXANDER 3,008,886
HARNETT, KEVIN 3,009,108
HARNETT, KEVIN 3,009,112
HASEGAWA, AIKO 3,009,478
HASSAN, UMER 3,009,520
HATA, CHELSIE 3,009,075
HAUG, ULRICH R. 3,009,177
HAUSEN, DORIS 3,008,936
HAUSER, RAPHAEL 3,009,090
HAVEKOTTE, MARGARET 3,009,175
HAVENTEC PTY LTD 3,009,229
HAYASHIZAKI, YOSHIHIDE 3,009,225
HEAVEN, EDWIN MICHAEL GYDE 3,005,289
HEAVEN, EDWIN MICHAEL GYDE 3,009,376
HEBELMANN, DANIEL 3,008,938
HEBERT, VERONIQUE 3,009,117
HEGDE, ANANT 3,009,368
HEILONGJIANG INSTITUTE OF GEOLOGICAL SCIENCES 3,009,431
HEINZE, ERICH 3,009,465
HELMHOLTZ ZENTRUM MUNCHEN - DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH) 3,009,115
HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH) 3,009,542
HELMHOLTZ ZENTRUM MUNCHEN DEUTSCHES FORSCHUNGSZENTRUM FUR GESUNDHEIT UND UMWELT (GMBH) 3,009,564
HELNERUS, STEFAN 3,008,938
HEMIGHAUS, GREGORY 3,009,057
HEMIGHAUS, GREGORY 3,009,058
HEMIGHAUS, GREGORY 3,009,067
HENKEL AG & CO. KGAA 3,009,168
HENKEL AG & CO. KGAA 3,009,253
HENKEL AG & CO. KGAA 3,009,323
HENRY, ROBERT 3,009,512
HERBERT, BEN 3,009,369
HERNANDEZ ALONSO, MARIA DOLORES 3,008,968
HERRMANN, JAMES 3,008,892
HESAMPOUR, MEHRDAD 3,009,259
HIBBARD, DANIELE LYNN 3,009,352
HICKS, GARETH 3,009,325
HIGASHI, TAISUKE 3,009,030
HIGASHI, TAISUKE 3,009,032
HIGH, DONALD R. 3,008,831
HIGHGATE, DONALD JAMES 3,009,446
HILL'S PET NUTRITION, INC. 3,009,191
HILL, CAMERON 3,009,369
HILLIARD, PETER R., JR. 3,009,072
HINRICHS, RUTH 3,008,367
HINRICHS, RUTH 3,008,379
HINTON, SEAN THOMAS 3,009,376
HIROKAWA, TOSHIYASU 3,009,150
HIRONAKA, AKIRA 3,009,133
HIROSE, MASAHIKO 3,008,827
HIRST, GAVIN 3,009,325
HJELMGAARD, THOMAS 3,008,961
HO, EDUARDO E. 3,009,348
HOBBS, ERIC D. 3,009,073
HODGSON-STOKX, MARCELLE 3,009,306
HOEINK, TOBIAS 3,009,181
HOGAN, TODD A. 3,008,820
HOJO, MASAYUKI 3,009,043
HOLMBERG, SVANTE 3,008,941
HOLMES, ROBERT 3,009,121
HOLMQVIST, ANDERS 3,009,263
HOLMQVIST, ANDERS 3,009,425
HOLTON, SARAH 3,009,427
HOMBURG, HAINSI 3,009,421
HOMBURG, HANSI 3,009,423
HOMBURG, HANSI 3,009,436
HONG, KI WHAN 3,009,309
HONMOU, OSAMU 3,009,313
HOOPER, DEVON 3,009,174
HORA, ANURADHA 3,009,457
HORAN, KATHRYN JEANNE 3,009,201
HORIE, SHIGENARI 3,009,026
HORII, AKIO 3,009,043
HORZER, HELEN 3,009,286
HOSHI, YUKIKO 3,009,043
HOSHINO, TATSUO 3,009,316
HOSOE, SHINTARO 3,009,131
HOSOZAWA, TAKUMI 3,009,154
HOWARD, JAMES 3,008,886
HOWE, STEPHEN ROLAND 3,009,156

HOWELLS, SCOTT 3,009,496
HU, ZHENQING 3,009,422
HUANG, CHIEN-IAN 3,009,082
HUANG, CHIN-TIEN 3,009,082
HUANG, HAILIN 3,009,258
HUANG, SHU 3,009,354
HUANG, WEI 3,009,429
HUANG, ZHAO 3,009,484
HUANG, ZHAO 3,009,488
HUAWEI TECHNOLOGIES CO., LTD. 3,009,081
HUBBELL INCORPORATED 3,009,045
HUBBELL INCORPORATED 3,009,051
HUBBELL INCORPORATED 3,009,053
HUBBELL INCORPORATED 3,009,497
HUBELBANK, DAVID 3,009,105
HUGERTH, ANDREAS 3,008,955
HUISSEUNE, HENK 3,008,970
HUNDESHAGEN, DORTE 3,009,436
HUNT, ANTON 3,009,058
HUNT, BEAU 3,009,080
HUNWICK, RICHARD 3,009,374
HUSSAIN, ABRAHIM 3,009,075
HYDRO-QUEBEC 3,009,391
HYSENSBIO 3,004,869
HYUNDAI MOTOR COMPANY 3,009,143
HYUNDAI MOTOR COMPANY 3,009,148
I6 GROUP LIMITED 3,009,121
IBIQUITY DIGITAL CORPORATION 3,008,923
IBRAHIM, AHMAD 3,009,545
IBRAIMI, ARBNOR 3,008,907
IBS OF AMERICA 3,005,289
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI 3,009,056
ILLINOIS TOOL WORKS INC. 3,009,477
IMAKAWA, KAZUNARI 3,009,133
IMMATICS BIOTECHNOLOGIES GMBH 3,009,286
IMMUNE VENTURES, LLC 3,009,171
IMMUNOCORE LIMITED 3,009,400
IMPRIMIS PHARMACEUTICALS, INC. 3,009,332
INABA, HIROYUKI 3,009,152
INCANTHERA LIMITED 3,009,296
INCYTE CORPORATION 3,009,474
INHIBRX, INC. 3,009,075
INNOGY SE 3,008,938
INNOPHOS, INC. 3,008,907
INNOVATIVE HYDROGEN SOLUTIONS, INC. 3,009,375
INOVIO PHARMACEUTICALS, INC. 3,009,180
INOVIO PHARMACEUTICALS, INC. 3,009,189
INOVIO PHARMACEUTICALS, INC. 3,009,347
INOVIO PHARMACEUTICALS, INC. 3,009,348
INQPHARM GROUP SDN BHD 3,009,135
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,008,956
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE) 3,009,553
INSTITUTE OF PHYSICS BELGRADE, UNIVERSITY OF BELGRADE 3,009,382
INTERCEPT PHARMACEUTICALS, INC. 3,009,149
IRIS AUTOMATION 3,008,886
IRIS AUTOMATION, INC. 3,008,886
IRVINE, DARRELL J. 3,009,186
ISAEV, ALEXANDER 3,009,476
ISHIBASHI, KENICHI 3,009,478
ISHIDA, KOJI 3,009,154
ISHII, SAYAKA 3,009,305
ISHII, YOICHI 3,009,305
ISHIMARU, AKIKO 3,009,485
ISODRILL, INC. 3,009,147
ISODRILL, INC. 3,009,158
ISOMAKI, NIKO 3,008,977
ISRAEL AEROSPACE INDUSTRIES LTD. 3,008,810
ISTAR MEDICAL 3,009,544
IWATA, KOUSHI 3,009,485
JACK, GORDON 3,009,470
JACKSON, LOGAN 3,008,721
JACKSON, MATTHEW 3,009,191
JAEN, JUAN CARLOS 3,009,196
JAHNKE, DAVID A. 3,008,957
JAKOBI, THOMAS 3,008,936
JAKOBSEN, CHRISTIAN 3,008,919
JALBOUT, ABRAHAM FOUAD 3,009,451
JANG, SUNG-HO 3,009,137
JANSSEN, BRETT 3,008,917
JANSSEN, FRANK HENDRIKUS PETER 3,008,961
JANSSEN, PAUL 3,008,939
JAPAN TOBACCO INC. 3,009,050
JEDWAB, MICHAEL 3,008,927
JEPPESEN BENDIX, PER 3,008,930
JESPERSEN, KLAVS 3,009,249
JESPERSEN, KLAVS 3,009,251
JESPERSEN, KLAVS 3,009,307
JEWELL, DENNIS EDWARD 3,009,191
JI, GANG 3,009,193
JI, HAIPENG 3,008,921
JI, HAIPENG 3,009,101
JIA, ZHIHENG 3,009,346
JIANG, FALONG 3,009,193
JIANG, JING 3,009,466
JIANGSU HENGRUI MEDICINE CO., LTD. 3,009,256
JIMENEZ LOZANO, JOEL N. 3,009,414
JOENSUU, IIRIS 3,009,259
JOHANSEN, TONNI FRANKE 3,008,972
JOHNSON & JOHNSON CONSUMER INC. 3,008,955
JOLIBOIS, EMILIE 3,009,149
JONES, JOSHUA M. 3,009,192
JONES, KYLE S. 3,009,075
JONES, PHILIP 3,009,355
JONES, STEPHEN 3,008,954
JORGENSEN, TINA LILLAN 3,009,060
JUNDEL, SVEN 3,008,938
JUNG, HYUN-WOO 3,009,468
JURGENSMEIER, MICHAEL JAMES 3,009,146
K.S. PREMIER PRODUCTS CO., LTD 3,009,345
KABADI, AMI MEDA 3,009,308
KAHVEJIAN, AVAK 3,009,063
KALAPATAPU, DUTT 3,009,498
KALATZIS, VASILIKI 3,008,956
KALIAMOORTHI, AMUDHA 3,009,459
KALISIAK, JAROSLAW 3,009,196
KAMANAGOWDA, VEERESHA 3,009,457
KANDA, TAKASHI 3,009,030
KANDA, TAKASHI 3,009,032
KANDHASAMY, MOHAN MEIYAPPAN 3,009,511
KANE, DAVID 3,009,118
KANEKO, DAISAKU 3,009,033
KANER, RICHARD BARRY 3,009,208
KANG, KYOUNG-HWAN 3,009,468
KANG, SANG-DEOK 3,009,463
KANO, ATSUSHI 3,009,152
KAPLAN, MIKE 3,009,075
KAPUR, MRIDULA BABLI 3,008,820
KAPUR, MRIDULA BABLI 3,008,835
KARAKI, KEISUKE 3,009,028
KARDOS, LORI L. 3,009,192
KARELLAS, PETER 3,008,648
KARHU, MIKKO 3,008,977
KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG 3,009,091
KARL LEIBINGER MEDIZINTECHNIK GMBH & CO. KG 3,009,106
KARLES, GEORGE 3,009,118
KARSDAL, MORTEN 3,009,445
KARSTEN, ELISABETH 3,009,369
KASPER, ROLAND 3,009,439
KASZAK, AMY ELIZABETH 3,008,904
KATO, TAKUYA 3,009,130
KATO,HIROYUKI 3,009,318
KATOPODIS, ANDREAS 3,009,001
KE, HONG 3,008,698
KEAWLUAN, SOMMAS 3,009,345
KELLOGG COMPANY 3,009,206
KELLY, TENA MAYO 3,008,904
KEMIRA OYJ 3,009,259
KEMIRA OYJ 3,009,434
KEMMERRER, STEPHEN 3,009,180
KEMMERRER, STEPHEN 3,009,189
KEMMERRER, STEPHEN 3,009,348
KEMPTON, KEVIN M. 3,008,907
KENNEDY, ERIC MILES 3,009,383
KERAVALA, ANNAHITA 3,009,502
KERN, JEFFREY A. 3,009,111
KERR, IAN FRASER 3,007,670

KHAN, AMIR 3,009,457
KIDO, SATOSHI 3,009,485
KIKKOMAN CORPORATION 3,009,480
KILIBARDA, VELIBOR 3,008,600
KILIBARDA, VELIBOR 3,008,839
KILLMER, JOHN L. 3,009,471
KIM, DAE-WOO 3,009,461
KIM, DO HOON 3,008,721
KIM, EARL 3,009,488
KIM, JI WAN 3,009,143
KIM, JI WAN 3,009,148
KIM, SOO-WON 3,009,468
KIM, SUNG-KYU 3,009,463
KIM, WOO-KYUNG 3,009,468
KIMURA, NOBUO 3,009,150
KING, DAVID J. 3,009,326
KING, MELANIE A. 3,009,185
KINGSLEY, JAMES LEONARD 3,009,087
KINI, GAUTAM CHANDRAKANTH 3,009,125
KINI, GAUTAM CHANDRAKANTH 3,009,128
KIRCHBERGER, ANDREAS 3,009,421
KIRCHBERGER, ANDREAS 3,009,423
KIRCHBERGER, ANDREAS 3,009,436
KIRSCH, GABRIEL J. 3,009,168
KIRSCH, GABRIEL J. 3,009,323
KITAHARA, ISAMU 3,008,827
KITORA, SHUICHI 3,009,031
KIYOSUE,TAKANORI 3,009,318
KJELLANDER, BIRGITTA KATARINA CHARLOTTE 3,009,306
KLAPPER, ULRICH 3,008,929
KLAXON MOBILITY GMBH 3,009,467
KLEYMAN, ARDY 3,009,179
KLOOTWIJK, JOHAN HENDRIK 3,008,939
KLOPMAN, STEVE LAMBERT 3,009,523
KNOENER, CRAIG STEVEN 3,009,477
KNOX, ANDREW ALEXANDER 3,009,400
KOBAL, GERD 3,009,118
KOBAYASHI, HISASHI 3,009,155
KOBUKE, MAKOTO 3,008,827
KOHLI, DALIP KUMAR 3,009,329
KOHLSTRUNG, RAINER 3,009,253
KOIVULA, LASSE 3,008,940
KOIZUMI, MASAKAZU 3,009,028
KOKUYO CO., LTD. 3,009,482
KOLETSCHKA, THOMAS 3,009,102
KOLODZIESKI, SCOTT J. 3,009,354
KOMOTO, NAOSUKE 3,009,473
KOMURA, AKITOSHI 3,009,480
KONDA, KENJI 3,009,029
KONINKLIJKE PHILIPS N.V. 3,008,922
KONINKLIJKE PHILIPS N.V. 3,009,269
KONINKLIJKE PHILIPS N.V. 3,009,270
KONINKLIJKE PHILIPS N.V. 3,009,273
KONINKLIJKE PHILIPS N.V. 3,009,276
KOODLI, RAJEEV 3,009,498
KORNELUK, JOSE EDUARDO 3,009,372
KORNELUK, JOSE EDUARDO 3,009,377
KORNELUK, JOSE EDUARDO 3,009,417
KORZUN, VIKTOR 3,009,426
KOSKAN, PATRICK D. 3,009,185
KOSONSITTIWIT, PHAKORN 3,009,345
KOSONSITTIWIT, THANAKRIT 3,009,345
KOTAKI, AYUMI 3,009,154
KOTSEROGLOU, THEOFILOS 3,009,177
KOWALSKI, ZACHARY R. 3,008,683
KOZLOWSKI, ERIC 3,008,885
KRAFT FOODS GROUP BRANDS LLC 3,009,201
KRAMER, ANDREAS 3,008,952
KRAVTSOV, DMITRY 3,009,188
KRIVULIN, SEMION 3,008,915
KRMPOT, ALEKSANDAR 3,009,382
KROGER, MARIO 3,009,099
KROLOV, KATRIN 3,008,949
KRULL, MATTHIAS 3,009,541
KUHLMAN, LESLIE CHARLES 3,008,887
KUKINO, SATORU 3,009,030
KUKINO, SATORU 3,009,032
KUKUK, MATTHIAS 3,008,929
KUMAR, KANTA 3,009,475
KUMAR, SANTOSH 3,009,457
KUNETZ, CHRISTINE FRANCES 3,009,465
KUNZE, MARTIN 3,009,551
KUPPER, ACHIM 3,008,708
KURITA WATER INDUSTRIES LTD. 3,009,028
KURNIAWAN, JONATHAN 3,009,368
KURZ, VOLKER L.S. 3,009,073
KUWAHARA, HIROYUKI 3,009,481
KWAN, ART Z. 3,008,683
KWS SAAT SE 3,009,426
KYB CORPORATION 3,009,029
KYLE, DONALD EARL 3,008,887
KYOWA HAKKO KIRIN CO., LTD. 3,009,131
KYOWA HAKKO KIRIN CO., LTD. 3,009,159
LAAKSO, PETRI 3,008,941
LABROT, MICHAEL 3,009,447
LAI, WENYIH F. 3,009,094
LAITRAM, L.L.C. 3,009,076
LAJKIEWICZ, NEIL 3,009,474
LAKE, TIMOTHY HUGH 3,009,095
LAKSHMI SHARAN LAL, DHARMVEER 3,009,459
LALLI, MARIA 3,009,495
LALLI, MARIA 3,009,515
LAMBERG, HANNU 3,009,435
LAMONT, JOHN 3,009,442
LANE, MICHELLE 3,009,373
LANE, RANDY MATTHEW 3,007,670
LANGE, UDO 3,009,428
LANGEL, ULO 3,008,949
LAPELOSA, MICHELE 3,009,025
LARDAT, RAPHAEL 3,008,704
LARSEN, LISA 3,009,445
LASORELLA, ANN 3,009,350
LAU, KIAN GIAP 3,009,135
LAUB, ORGAD 3,008,674
LAUBENTHAL, KEVIN J. 3,009,206
LAUGHLIN, MICHAEL A. 3,009,174
LAUNAY, FRANCOIS-XAVIER 3,008,704
LAVANCHY, FREDERIC 3,008,992
LAVARONE, ANTONIO 3,009,350
LAW, MALCOLM 3,009,300
LAWRENCE, CODY W. 3,009,192
LAWSON, KENNETH V. 3,009,196
LAZOVIC, VLADIMIR 3,009,382
LE FUR, MARIANE 3,008,913
LE MAOULT, YANNICK 3,008,522
LE PETITCORPS, YANN 3,009,448
LE, KANG 3,009,355
LEAN, ARNE R. 3,009,375
LEBARD, ETIENNE 3,008,522
LEBAS, MATHILDE 3,008,932
LEBEL, PAUL M. 3,009,073
LEE, CHAO HSU 3,009,562
LEE, HAK-CHEOL 3,009,137
LEE, JAE-YOUNG 3,009,468
LEE, JI HYUN 3,004,869
LEE, SOON-GI 3,009,463
LEE, SUJIN 3,009,510
LEE, TAE HEE 3,009,143
LEE, TAE HEE 3,009,148
LEE, THOMAS R. 3,009,496
LEEN, STEVEN 3,009,069
LEINO, REKO 3,008,978
LELETI, MANMOHAN REDDY 3,009,196
LEMBERGER, NITAY 3,009,292
LEONELLI, JEAN-BAPTISTE 3,009,166
LEPO, ANNELI 3,009,434
LEPP, JAMES RANDOLPH WINTER 3,009,298
LEUNG, VINCENT 3,009,049
LEUNG, YUE HENG 3,008,915
LEVEY, ROBERT A. 3,009,354
LEVIN, CHEN 3,009,279
LEVIN, MARC H. 3,009,510
LEWIS, SAMUEL J. 3,009,160
LI, BIN-FENG 3,009,169
LI, DAXIONG 3,008,698
LI, GUIGEN 3,009,065
LI, GUOQING 3,009,193
LI, HONG 3,009,193
LI, HUIQIN 3,008,698
LI, JINAN 3,008,686
LI, JINAN 3,008,691
LI, YONGWANG 3,009,021
LI, ZONGMIN 3,009,431
LIANG, YU FAN 3,009,164
LIDDLE, ALAN 3,009,369
LIESENFELT, MICHAEL JOHN 3,008,893
LIFENET HEALTH 3,009,178
LIFESCAN SCOTLAND LIMITED 3,009,265
LILLELAND, JOHN 3,008,918
LIN, KAI XI 3,009,505
LIN, WEIPING 3,008,827
LIN, YIJIAN 3,008,820
LIN, YIJIAN 3,008,835
LINDELL, KATARINA 3,008,955
LINDSEY, ERICK ALLEN 3,009,196
LINKOCARE LIFE SCIENCES AB 3,009,098
LINNHOFER, DIETER 3,009,447

LIONBERGER, TROY A. 3,009,073
LIPOWICZ, PETER 3,009,118
LIU, DAVID 3,009,484
LIU, GANG 3,009,355
LIU, LE 3,009,081
LIU, XIANGXU 3,009,431
LIU, YUXIN 3,008,890
LLORCA PIQUE, JORDI 3,009,433
LM WP PATENT HOLDING A/S 3,009,249
LM WP PATENT HOLDING A/S 3,009,251
LM WP PATENT HOLDING A/S 3,009,307
LOADMAN, PAUL 3,009,296
LOHWASSER, WOLFGANG 3,009,248
LOISON, LUDOVIC 3,009,023
LOMBAERT, POL 3,009,319
LONERGAN, WILLIAM W. 3,009,094
LONG, JIA 3,009,422
LOS, ALRIK PIETER 3,008,963
LOUSTAUDAUDINE, CHRISTOPHE 3,009,483
LOVELL, NATHAN 3,009,348
LOWTHER, JONATHAN PATRICK 3,009,400
LOWY, ISRAEL 3,009,161
LU, XI 3,009,256
LU, YUN 3,009,256
LUCISANO, JOSEPH 3,009,489
LUMIRADX UK LIMITED 3,009,449
LUNDBERG, ANTE SVEN 3,009,308
LUO, TAO 3,009,466
LUQUE VERA, SERGIO 3,009,562
LUUKKONEN, MATTI 3,008,977
LV, QING 3,009,422
LYNCH, TOM 3,008,721
LYNGSOE, JENS KRISTIAN 3,008,919
LYYTIKAINEN, HEIKKI 3,008,941
M, NIKITHA 3,009,457
MAACK, MARTIN DYBENDAL 3,008,919
MAAIJEN, KARIN 3,008,980
MACGREGOR, JAMES 3,009,524
MACGREGOR, JULIA 3,009,524
MACHULSKY, GEORGY 3,008,896
MACLEAN, JOHN 3,009,062
MACLEAN, JOHN EDGAR 3,009,449
MADSON, TERRY 3,008,918
MAGIC LEAP, INC. 3,009,346
MAGIC LEAP, INC. 3,009,365
MAGNA SEATING INC. 3,008,885
MAGNANO, NUNZIO 3,009,301
MAGNESS, SCOTT 3,009,153
MAHR, ANDREA 3,009,286
MAIER, FERDINAND 3,009,260
MAILLE, LAURENCE 3,009,448
MAITY, SUNIT 3,009,457
MAKWANA, EKTA 3,009,072
MALGAT, ALEXANDRE 3,008,992
MALIK, TAIMUR 3,008,721
MALIVERNEY, CHRISTIAN 3,009,545
MALIWALAVE, AMOL 3,009,457
MALTESE, CRISTIANO 3,009,084
MANTHE, ALAN ADAM 3,009,477
MANTIUS, HAROLD L. 3,009,165
MAPEI S.P.A. 3,009,084
MARIEZ, GUILLAUME 3,008,910
MARIHART, JOHANN 3,009,430
MARINELLI, EDMUND R. 3,009,404
MARONEY, KYLE 3,009,102
MARTIKAINEN, MIKA 3,008,977
MARTIN, EVAN RONALD 3,009,497
MARTIN, JEAN-VALERY 3,008,907
MARTIN, OLIVIER 3,009,023
MARTIN, VINCENT 3,007,102
MARTINM, TIMOTHY M. 3,009,097
MASON, JOHN Y. 3,009,039
MASON, JOHN Y. 3,009,110
MASON, MATTHEW 3,009,102
MASSACHUSETTS INSTITUTE OF TECHNOLOGY 3,009,186
MASSALONE, THOMAS 3,008,905
MASSEY, JAMES P. 3,009,147
MASSEY, JAMES P. 3,009,158
MASTERCARD INTERNATIONAL INCORPORATED 3,009,326
MASTERCARD INTERNATIONAL INCORPORATED 3,009,336
MASTERCARD INTERNATIONAL INCORPORATED 3,009,338
MASTERSON, STEVEN 3,009,348
MASTRULL, JEFFREY 3,009,197
MATA-FINK, JORDI 3,009,063
MATSUDA, YUSUKE 3,009,030
MATSUDA, YUSUKE 3,009,032
MATSUMAE, TAROU 3,009,029
MATTOS, ALEXANDER 3,009,121
MATUR, TURAN 3,008,367
MATUR, TURAN 3,008,379
MAZLISH, BRYAN 3,009,351
MAZLISH, BRYAN 3,009,409
MB BIOTECH LTD. 3,009,119
MCCANN, STEPHEN 3,009,298
MCCARTHY, STEPHEN J. 3,009,094
MCCOLL, DAVID 3,009,265
MCCONNELL, IVAN 3,009,442
MCCORMICK, CASEY 3,009,175
MCCOY, JAY 3,009,189
MCCULLOUGH, ELIZABETH C. 3,009,494
MCFARLAND, ANDREW W. 3,009,073
MCGEE, KEVIN 3,009,169
MCKNIGHT, KRISTEN 3,009,488
MCLAUGHLIN, PATRICK D. 3,009,471
MCLENNAN, KEVIN P. 3,009,503
MECACHROME FRANCE 3,009,023
MEDIGENE IMMUNOTHERAPIES GMBH 3,009,542
MEDIGENE IMMUNOTHERAPIES GMBH 3,009,564
MEDTRONIC ADVANCED ENERGY LLC 3,009,105
MEDVEDEVA, ANNA 3,009,044
MEHTANI, DISHA 3,009,470
MENDELSON, AARON 3,009,376
MENG, FENGHUA 3,009,252
MENZEL, JUTTA 3,009,426
MEPS REAL-TIME,INC. 3,009,513
MERCK SHARP & DOHME CORP. 3,009,193
MERENIUK, TERRY 3,009,343
MERTZ, KEITH 3,009,334
METCHIK, ASHER L. 3,008,683
METOXS PTE. LTD. 3,009,451
METZ, ROBERT 3,009,066
MEYER, JASON 3,009,496
MIAO, SHOUWU 3,009,193
MICHEL, HUGO 3,009,089
MICHEL, STEPHAN 3,009,089
MICHELFELDER, STEFAN 3,009,393
MICHIELETTO, MATTIA 3,008,919
MICROSYSTEMFUEL S.R.L. 3,008,969
MIKKELSEN, JAN HVOLGAARD 3,008,976
MIKKELSEN, RENE 3,009,060
MIKKELSEN, RENE 3,009,315
MIKKOLA, JYRI-PEKKA 3,009,145
MIKSZA, ANTHONY 3,009,330
MILES, DILLON HARDING 3,009,196
MILLER, JERIN 3,009,517
MILLER, JOHN 3,009,339
MILLER, ZVI 3,009,292
MILOSEVIC, SLAVOLJUB 3,009,542
MILOSEVIC, SLAVOLJUB 3,009,564
MINERAL CARBONATION INTERNATIONAL PTY LTD 3,009,383
MITCHELL, KEITH C. 3,009,494
MITSUBISHI CHEMICAL CORPORATION 3,009,033
MITSUBISHI HEAVY INDUSTRIES AERO ENGINES, LTD. 3,009,026
MITSUI MEDICAL COMMERCE CO., LTD. 3,009,037
MITSUI, IWANE 3,009,037
MITTAL, KHUSHBOO 3,009,511
MIYAIRI, KEISUKE 3,009,031
MOBILE I.V. SYSTEMS LLC 3,008,258
MOEHRING, THOMAS D. 3,009,518
MOEN INCORPORATED 3,009,518
MOGA, BEN 3,009,328
MOHANTY, MITRABHANU 3,008,634
MOLL, ANDREW 3,009,353
MOLL, ANDREW 3,009,368
MONAHAN, DAVID 3,009,449
MONASH IVF GROUP LIMITED 3,009,373
MONASH UNIVERSITY 3,009,225
MONSANTO TECHNOLOGY LLC 3,007,102
MONSANTO TECHNOLOGY LLC 3,009,190
MONTEMURRO, MICHAEL PETER 3,009,298
MOODY, MELISSA A. 3,009,491
MOORE, CAMERON 3,009,353
MOORE, CAMERON 3,009,368
MOORE, RUSSEL 3,009,343

MORANTE LLEONART, JUAN RAMON 3,008,968
MORHAN, MATTHIEU 3,009,112
MORI, DAISUKE 3,009,485
MORLANDSTO, JAN OVE 3,009,344
MORLANDSTO, JAN OVE 3,009,349
MORSCHER, MICHAEL 3,009,541
MORTON, PAUL 3,009,116
MOSS, DAVID 3,009,171
MOTOROLA SOLUTIONS, INC. 3,008,465
MOTOROLA SOLUTIONS, INC. 3,009,185
MSA TECHNOLOGY, LLC 3,009,517
MUBAMU MOMBO, DANY JONAS 3,009,285
MUELLER INTERNATIONAL, LLC 3,009,537
MUHAMMED, SALIH MUHSIN 3,008,955
MUKHERJEE, DEBARHGA 3,008,890
MUKUNDA, PAVITHRA 3,009,457
MULLEN, MARK 3,009,456
MUMM, JOHN BRIAN 3,008,284
MUNOZ, BENITO 3,009,339
MURUGESAN, SATHYABALAN 3,009,457
MUZIK LLC 3,009,151
NABI, ZEENAT 3,009,197
NAGAMATSU, DAIKI 3,009,478
NAGRAVISION S.A. 3,009,459
NAGY, ERVIN 3,009,190
NAIGAMWALLA, DARIUS 3,009,495
NAIGAMWALLA, DARIUS 3,009,515
NAIR, KARTHIKA 3,009,457
NAKAHARA, TAKEHARU 3,009,480
NAKAJIMA, TAKAHIRO 3,009,159
NAKAMURA, MASAHARU 3,009,130
NAKANO, TAKUMA 3,009,050
NAKATA, HIKARU 3,009,485
NAKAZAKI, MASAHITO 3,009,313
NAKSUK, PAISAL 3,009,345
NAM, HYE YEONG 3,009,486
NANNAPANENI, VENKAIAH CHOWDARY 3,008,634
NAOI, TOMOYUKI 3,009,131
NAPIERALA, CHRISTIAN FRANK 3,008,973
NASREDDINE, VICTOR 3,009,469
NASREDDINE, VICTOR 3,009,472
NATARAJAN, BAIRAVABALAKUMAR 3,009,457
NATARAJAN, CHANDRASHEKAR 3,008,831
NATCO PHARMA LTD 3,008,634
NATIONAL ENGINEERING AN TECHNOLOGY RESEARCH CENTER FOR PRESERVATION OF AGRICULTURAL PRODUCTS (TIANJIN) 3,008,921
NATIONAL ENGINEERING AN TECHNOLOGY RESEARCH CENTER FOR PRESERVATION OF AGRICULTURAL PRODUCTS (TIANJIN) 3,009,101
NAVAL GROUP 3,008,910
NAWROCKI, SHIRI 3,009,516
NAZARET, FABIEN 3,008,522
NEAL, JAKE 3,005,289
NEBENFUHR, MARIO 3,009,278
NECULAES, VASILE BOGDAN 3,009,523
NEOVASC TIARA INC. 3,007,670
NERRE THERAPEUTICS LIMITED 3,009,283
NESTEC S.A. 3,008,925
NESTEC S.A. 3,008,927
NESTEC S.A. 3,009,427
NESTEC S.A. 3,009,465
NEUROCRINE BIOSCIENCES, INC. 3,009,169
NEVILL, J. TANNER 3,009,073
NEWCOMB, ERIC 3,009,196
NIBLETT, ANTHONY 3,008,917
NIELSEN, LARS 3,009,249
NIELSEN, LARS 3,009,251
NIELSEN, LARS 3,009,307
NIELSEN, METTE JUUL 3,009,445
NIKE INNOVATE C.V. 3,009,052
NILSSON, CHERIN 3,009,044
NIPPON KAYAKU KABUSHIKI KAISHA 3,009,130
NIPPON PAPER INDUSTRIES CO., LTD. 3,009,473
NIPPON SODA CO., LTD. 3,009,150
NIPPON STEEL & SUMITOMO METAL CORPORATION 3,009,318
NIPRO CORPORATION 3,009,313
NISHIKAWA, TOMOYUKI 3,009,159
NISSAN MOTOR CO., LTD. 3,009,129
NISSAN MOTOR CO., LTD. 3,009,460
NISSAN MOTOR CO., LTD. 3,009,462
NISSHIN STEEL CO., LTD. 3,009,133
NITTO DENKO CORPORATION 3,008,827
NITTY-GRITTY S.R.L. 3,009,025
NKT HV CABLES GMBH 3,009,539
NKT PHOTONICS A/S 3,008,919
NOAKES, AARON 3,009,521
NOAKES, AARON 3,009,540
NOGUCHI, KOUICHI 3,009,478
NOISHIKI, TSUYOSHI 3,009,150
NOLD, RAYMOND V., III 3,009,147
NOLD, RAYMOND V., III 3,009,158
NOLIMAL, BORIS 3,009,507
NORA SYSTEMS GMBH 3,009,099
NORDIC BIOSCIENCE A/S 3,009,445
NORDSTROM, RICHARD ALLEN 3,009,358
NORIFISH AS 3,009,344
NORIFISH AS 3,009,349
NOTARIANNI, GILLES PIERRE-MARIE 3,009,020
NOUMI, SHUNSUKE 3,008,827
NOVADAQ TECHNOLOGIES ULC 3,009,419
NOVAK, SLAVOMIR 3,009,114
NOVARTIS AG 3,009,001
NOVOZYMES BIOAG A/S 3,007,102
NRL PHARMA, INC. 3,009,316
NUGENT, TIM 3,009,113
NUSSBAUM, ROBERT GUY 3,009,156
NUVOX PHARMA LLC 3,009,404
NVENT SERVICES GMBH 3,009,164
O'BYRNE, KENNETH 3,009,378
O'HARA, WAYNE DOUGLAS 3,009,505
OCEAN SPRAY CRANBERRIES, INC. 3,009,165
OCEANS LTD. 3,009,533
OCHI, SHUNSUKE 3,009,478
OCHSE, MICHAEL 3,009,428
ODA, KATSUO 3,009,478
OELLIEN, FRANK 3,009,428
OERSNES-LEEMING, DIANE JULIE 3,009,445
OHLENBUSCH, NORBERT 3,009,449
OHMORI, GAKU 3,009,481
OKA, SHINICHI 3,009,313
OKABE, YOSHIYUKI 3,009,026
OKADA, MASAMICHI 3,009,043
OKAMOTO, TAKESHI 3,009,305
OKAMURA, KATSUMI 3,009,032
OKUYAMA, MEGUMI 3,009,154
OLANIPEKUN, EVELYN 3,008,907
OLIVACCE, RONALD ARTHUR 3,009,128
OLIVER, STEVEN R. 3,009,449
OLOCHWOSZCZ, GABRIEL S. 3,008,923
OLSON, MICHAEL 3,009,088
OMACHRON INTELLECTUAL PROPERTY INC. 3,009,234
OMANN, MARKUS 3,009,430
OMICRON ELECTRONICS GMBH 3,008,929
ONCOSEC MEDICAL INCORPORATED 3,009,123
ONNEMBO, GIOVANNI 3,008,907
ONODERA, NAOHIRO 3,009,478
OPALSKY, DAVID 3,008,891
OPENHYDRO IP LIMITED 3,009,103
OPENHYDRO IP LIMITED 3,009,104
OPENHYDRO IP LIMITED 3,009,108
OPENHYDRO IP LIMITED 3,009,112
OPENHYDRO IP LIMITED 3,009,136
OPTASENSE HOLDINGS LIMITED 3,009,124
OPTASENSE HOLDINGS LIMITED 3,009,297
ORBIS CORPORATION 3,009,156
OREGON STATE UNIVERSITY 3,009,342
OREN TECHNOLOGIES, LLC 3,008,905
OREN, JOSHUA 3,008,905
ORGANEXT LIFE SCIENCE B.V. 3,009,139
ORMOND ENERGY INNOVATIONS INC. 3,009,529
ORTEGA VILLASCLARAS, PABLO 3,008,968
OSMAN, ROMAN 3,009,056
OSTERMEIER, G. CHARLES 3,009,491
OSTRAND-ROSENBERG, SUZANNE 3,008,838
OTSUBO, NOBUMASA 3,009,159

OTSUKA PHARMACEUTICAL CO., LTD. 3,009,309
OTSUKA PHARMACEUTICAL FACTORY, INC. 3,009,485
OTTO-VON-GUERICKE-UNIVERSITAT MAGDEBURG 3,009,439
OU, QINGJIAN 3,005,725
OURA, TAI 3,009,152
OUTOTEC (FINLAND) OY 3,008,977
OVERBEEKE, NICOLAAS 3,009,139
OVONDO E.K. 3,009,282
OXYRANE UK LIMITED 3,008,975
PAHUJA, ASHWINI 3,008,923
PAN, LONG 3,009,199
PAN, LONG 3,009,516
PAN, YONGBO 3,009,431
PANAHI, DAMON 3,009,294
PANDIT, RAJAY 3,009,075
PANG, JIYONG 3,009,081
PANNEREC, ALICE 3,008,925
PANTELIC, DEJAN 3,009,382
PAPADEMETRIOU, STEPHANOS 3,009,177
PAPADOPOULOS, MARCUS STEPHEN 3,009,173
PAPIOR, SIDSEL RUBNER 3,008,919
PARADIS, JEAN P. 3,005,289
PARK, JOO HWANG 3,004,869
PARK, SO YOON 3,009,143
PARK, SO YOON 3,009,148
PARK, WOO-ILE 3,009,468
PARKER, KENT WALLACE 3,009,505
PARVATANENI, DURGA MAHESWARI 3,008,634
PATEL, BHAVESH D. 3,009,105
PATEL, DARSHIN S. 3,008,683
PATEL, KISHAN 3,009,090
PATEL, RAJAN 3,009,105
PATEL, SHIVANI 3,009,457
PATEL, VIREN VINUBHAI 3,009,400
PAVLOVIC, DANICA 3,009,382
PEABODY, GOODALL DAVID, III 3,009,449
PEARL, WILLIAM CECIL, JR. 3,009,160
PEARSON, RYAN 3,008,892
PEDERSEN, GERT FROLUND 3,008,976
PEI, ZHIYU 3,009,431
PEILA, DANIELE 3,009,084
PELISH, HENRY EFREM 3,009,324
PENAZZI, LUC 3,008,522
PENELAS PEREZ, GERMAN 3,008,968
PENG, LI VERN 3,009,135
PENNINGTON, RODNEY TRUMAN 3,009,125
PENNINGTON, RODNEY TRUMAN 3,009,128
PERIS, GORKA 3,009,132
PETERS, EUGENE MAX, JR. 3,009,334
PETERSEN, DAVE 3,009,234
PETRECCA, LUIGI DOMENICO 3,008,969
PHELAN, GERALD W. 3,009,142
PHILIP MORRIS PRODUCTS S.A. 3,008,992
PHILIP MORRIS PRODUCTS S.A. 3,008,996
PHILIP MORRIS PRODUCTS S.A. 3,009,109
PHILIP MORRIS PRODUCTS S.A. 3,009,118
PHILIP MORRIS PRODUCTS S.A. 3,009,441
PIBRE, GUILLAUME 3,009,545
PICH, DAGMAR 3,009,115
PIERCE, ROBERT H. 3,009,123
PIIRONEN, MARJATTA 3,009,259
PILKINGTON GROUP LIMITED 3,009,444
PILKINGTON GROUP LIMITED 3,009,450
PILPEL, YAIR 3,009,458
PIONEER HI-BRED INTERNATIONAL, INC. 3,008,887
PIONEER HI-BRED INTERNATIONAL, INC. 3,009,080
PISTOLESI, CARLO 3,009,084
PITCOVSKI, JACOB 3,009,289
PITHAWALLA, YEZDI 3,009,118
PODSIADLO, PAUL 3,009,094
POKORSKI, JON 3,009,187
POLDERMANS, ROLF 3,008,963
POLGAR, STEPHEN R. 3,009,105
POLLER, SASCHA 3,009,253
POLO, JOSE 3,009,225
POPOVA, EMANUELA 3,008,836
POPP, MICHAEL J. 3,008,683
POPP, SIMONE 3,009,001
PORTER, CHRISTOPHER J.H. 3,009,325
PORTER-MALONEY, VENDA 3,009,199
PORTILLO, CRISTIAN 3,008,918
POSCO 3,009,137
POSCO 3,009,461
POSCO 3,009,463
POUZADOUX, FREDERIC JEAN-BERNARD 3,009,020
POUZADOUX, FREDERIC JEAN-BERNARD 3,009,226
POWERS, JAY PATRICK 3,009,196
PPC BROADBAND, INC. 3,009,070
PRAKASH, MAYANK 3,009,336
PRASAD, BHARGAV 3,009,457
PRAXAIR S.T. TECHNOLOGY, INC. 3,009,179
PRAXAIR TECHNOLOGY, INC. 3,009,155
PRESIDENT AND FELLOWS OF HARVARD COLLEGE 3,009,324
PRETORIUS, PETE 3,009,164
PREYER, MARTIN 3,008,840
PRICE, GENE TEMPLE 3,009,102
PRIME FORMING & CONSTRUCTION SUPPLIES, INC., DBA FITZGERALD FORMLINERS 3,009,170
PRING, RYAN 3,009,172
PRINS, MARJANNA 3,009,139
PRIOSTAR PTY LTD 3,008,648
PRISCO, GEOFFREY 3,009,311
PROFILATOR GMBH & CO. KG 3,009,266
PRONK, JACOBUS THOMAS 3,008,963
PROST-BOUCLE, CONSTANCE 3,009,253
PROTECHNA S.A. 3,009,107
PROTEOSTASIS THERAPEUTICS, INC. 3,009,339
PUCI, GIUSY ELISA 3,009,138
PUISIS, JOHN 3,008,892
PURDY, ERIC J. 3,009,070
QI, GENGGENG 3,008,942
QI, LEI S. 3,009,194
QIN, XIAOFEI 3,009,178
QIU, ZHENJUN 3,009,256
QSC, LLC 3,009,172
QUALCOMM INCORPORATED 3,008,901
QUALCOMM INCORPORATED 3,009,466
QUEENSLAND UNIVERSITY OF TECHNOLOGY 3,009,378
QUINLAN, THOMAS J. 3,009,449
RABASOVIC, MIHAILO 3,009,382
RACKHAM, OWEN 3,009,225
RACZ, PIERRE 3,009,078
RADOCHONSKI, SAMUEL 3,009,353
RADOCHONSKI, SAMUEL 3,009,368
RAFAT, MEHRDAD 3,009,098
RAGAN, PAULA MARIE 3,009,176
RAGHAVAN, SUBHAREKHA 3,009,193
RAGHUWANSHI, SRAJAN 3,008,891
RAHKILA, JANI 3,008,978
RAHLF, BJORN 3,009,091
RAISBECK, DEBORAH 3,009,444
RAISBECK, DEBORAH 3,009,450
RAJESH, SARIGAMA 3,008,648
RAMASUBRAMANIAN, SRIKANTH 3,009,529
RANA, MAJEED 3,009,106
RANDOLPH, WILLIAM J. 3,009,077
RANDOLPH, WILLIAM J. 3,009,079
RANDOLPH, WILLIAM J. 3,009,083
RANDOX LABORATORIES LTD 3,009,442
RANDOX TEORANTA 3,009,442
RAO, SAHANA BHIMA 3,009,457
RAPPMANN, KLAUS 3,009,253
RASON, LUCAS 3,009,075
RATHBONE, DANIEL 3,009,173
RAVI, KRIS 3,009,167
RAYSON, MARK STUART 3,009,383
RAZAI, AMIR S. 3,009,075
RECAIR HOLDING B.V. 3,009,140
REDDY, BOBBY, JR. 3,009,520
REEMTSMA CIGARETTENFABRIKEN GMBH 3,009,114
REEVE, JONATHAN L. 3,009,201
REEVELL, TONY 3,009,109
REEVES, BRIAN PAUL 3,009,521
REEVES, BRIAN PAUL 3,009,540
REG LIFE SCIENCES, LLC 3,008,836
REGENERON PHARMACEUTICALS, INC. 3,009,161

REGENERON PHARMACEUTICALS, INC. 3,009,322
REGNIER, CATHERINE 3,009,001
REHAU AG + CO 3,009,421
REHAU AG + CO 3,009,423
REHAU AG + CO 3,009,436
REHAU CONSTRUCTION LLC. 3,009,421
REHAU CONSTRUCTION LLC. 3,009,423
REHAU CONSTRUCTION LLC. 3,009,436
REICHENBACH-KLINKE, ROLAND 3,009,290
REIGNIER, BERNARD 3,009,448
REINAUER, FRANK 3,009,091
REINAUER, FRANK 3,009,106
REPSOL, S.A. 3,008,968
REVLON CONSUMER PRODUCTS CORPORATION 3,009,367
REWOLINSKI, MELISSA 3,009,149
REYES, ENRIQUE ANTONIO 3,009,163
RGL RESERVOIR MANAGEMENT INC. 3,008,912
RICHARD, DEREK 3,009,378
RICHARDSON, CIARAN 3,009,442
RICHARDSON, GEORGE DAVID 3,008,915
RICHARDSON, RIC B. 3,009,229
RIKEN 3,009,225
RINSCH, CHRISTOPHER 3,009,432
RISPOLI, LOUISA A. 3,009,195
ROBERTSSON, RIKARD 3,009,044
ROBINSON, RONALD 3,008,721
ROBLES GONZALEZ, GILBERTO 3,009,490
ROBSON, GILLIAN 3,009,268
ROCKWOOL INTERNATIONAL A/S 3,008,961
RODRIGUES, KAVITHA IYER 3,009,457
RODRIGUEZ BALBUENA, ERIC GERARDO 3,009,490
ROGER, JEROME 3,009,448
ROHLMAN, ERIC 3,009,540
ROHLMAN, ERIC JOSEPH 3,009,521
ROLOF, RICK L. 3,009,384
ROMANO, JOSEPH 3,009,102
ROMERO, JEAN-LOUIS 3,009,226
ROMERO, JEAN-LOUIS 3,009,452
RONDEAU, KELLY JULIEN 3,008,912
ROOS, TILMANN 3,009,551
ROS FIGUERAS, CARLES 3,008,968
ROSEN, BRANDON REID 3,009,196
ROSS, DANIEL P. 3,008,888
ROSTAMI, ALI 3,009,118
ROTH, IDO 3,009,279
ROUND, JOHN 3,009,063
ROUSSEAUX, OLIVIER 3,008,913
ROUTH, PARTHA S. 3,008,816
ROVALMA, S.A. 3,009,437
ROY, CECILE 3,009,544
ROY, SOMDUTTA 3,009,484
ROZBICKI, ROBERT T. 3,009,470
RUAN, YANG 3,009,246
RUBIUS THERAPEUTICS, INC. 3,009,063
RUF, THIBAULT 3,009,020
RUF, THIBAULT 3,009,226
RUF, THIBAULT 3,009,452
RUFFINI, PIER ADELCHI 3,009,438
RUOTSALAINEN, SAARA 3,008,941
RUSSAK, ZEEV 3,008,989
RYU, JEI-MAN 3,009,468
SAADEH, DENNIS ELIAS 3,009,332
SABIC GLOBAL TECHNOLOGIES B.V. 3,009,069
SABRE INTELLECTUAL PROPERTY HOLDING LLC 3,009,110
SABRE INTELLECTUAL PROPERTY HOLDINGS LLC 3,009,039
SABRIPOUR, SHERVIN 3,009,185
SACK, TODD 3,009,330
SACKMANN, ERIC K. 3,009,073
SAFEDON LIMITED 3,009,302
SAFRAN AIRCRAFT ENGINES 3,009,020
SAFRAN AIRCRAFT ENGINES 3,009,226
SAFRAN AIRCRAFT ENGINES 3,009,452
SAFRAN CERAMICS 3,009,448
SAFRAN ELECTRONICS & DEFENSE 3,009,483
SAFRAN ELECTRONICS & DEFENSE 3,009,547
SAFRAN ELECTRONICS & DEFENSE 3,009,548
SAFRAN ELECTRONICS & DEFENSE 3,009,549
SAFRAN LANDING SYSTEMS 3,009,483
SAHEL, JOSE-ALAIN 3,009,553
SAINT-DENIS, THIERRY 3,009,175
SAINT-GOBAIN GLASS FRANCE 3,009,447
SAINT-GOBAIN GLASS FRANCE 3,009,453
SAINT-GOBAIN PLACO 3,009,024
SAINT-GOBAIN PLACO 3,009,134
SALTZER, MARKUS 3,009,539
SAMIKANNU, AJAIKUMAR 3,009,145
SAMYANG BIOPHARMACEUTICALS CORPORATION 3,009,486
SANDERSON, KEVIN DAVID 3,009,444
SANDERSON, KEVIN DAVID 3,009,450
SANDEWICZ, ROBERT 3,009,367
SANG, JUNJIE JEFFREY 3,009,329
SANGUI BIO PTY. LTD 3,009,369
SANKETH, KUMAR N. 3,009,192
SANTAGUIDA, MARIANNE 3,009,488
SANTIAGO, CORY 3,009,085
SANVEAN TECHNOLOGIES LLC 3,008,954
SAPPORO MEDICAL UNIVERSITY 3,009,313
SARVER, SCOTT 3,009,061
SARY, NICOLAS 3,009,469
SARY, NICOLAS 3,009,472
SAS INSTITUTE INC. 3,009,354
SASAKI, MASANORI 3,009,313
SASAKI, YUKO 3,009,313
SAUDI ARABIAN OIL COMPANY 3,009,492
SAUNDERS, LAURA 3,009,484
SAUNDERS, WILL 3,008,904
SAVOLAINEN, JOHANNES 3,008,978
SAVVOURAS, ODYSSEFS ATH. 3,009,177
SAYED, MOHAMMED 3,008,942
SAYGILI, ALI MURAT 3,008,992
SAYGILI, ALI MURAT 3,009,441
SBI BIOTECH CO., LTD. 3,009,154
SCHAAF, THOMAS 3,009,421
SCHAAF, THOMAS 3,009,423
SCHAAF, THOMAS 3,009,436
SCHAEFER, SHELLY H. 3,008,946
SCHALL, GUNTHER 3,009,453
SCHENDEL, DOLORES 3,009,542
SCHENDEL, DOLORES 3,009,564
SCHIAVONE, NICOLE 3,009,061
SCHIBLI, BENJAMIN 3,009,240
SCHIFF, DAVID R. 3,009,330
SCHIRMER, ANDREAS 3,008,836
SCHLEGL, ROBERT 3,009,278
SCHLUMBERGER CANADA LIMITED 3,009,066
SCHMID, DANIELA 3,009,186
SCHMIDBERGER, FRANK 3,008,936
SCHNEIDER, JARED 3,009,330
SCHNEIDER, MARTIN 3,009,469
SCHNEIDER, MARTIN 3,009,472
SCHONFELD, RAINER 3,009,253
SCHOOR, OLIVER 3,009,286
SCHRICK, F. NEAL 3,009,195
SCHULE, HANNA 3,009,099
SCHULZ, VALENTIN 3,009,453
SCHURTER AG 3,009,240
SCHUTZ, UDO 3,009,107
SCHWARTZ, YOTAM 3,008,674
SEABAUGH, TAYLOR M. 3,009,475
SEAIR INC. 3,008,916
SEALANTIUM MEDICAL LTD 3,008,674
SEGAL, ERAN 3,009,292
SEGAL, MARK 3,007,670
SEGURA RUIZ, ROMUALDO 3,009,490
SEIBERT, JEFF 3,008,916
SEIFERT, COLE 3,009,065
SEIKE, TOSHIHIRO 3,009,159
SELF, FAHTI 3,009,495
SELF, FAHTI 3,009,515
SELFDIAGNOSTICS DEUTSCHLAND GMBH 3,008,949
SELNESS, SHAUN RAJ 3,007,102
SENNLAUB, FLORIAN 3,009,553
SEO, MIN-HYO 3,009,486
SEXTON, ROBERT KEVIN 3,009,517
SHAIR, MATTHEW D. 3,009,324
SHALEV, LEAH 3,008,896
SHAMIRIAN, ARMEN 3,009,199
SHAN, GUANGJIE 3,009,431
SHAN, JIUKU 3,009,431
SHANAHAN, JAMES 3,008,960
SHANI, URI 3,009,292
SHAO, JINHUA 3,009,241
SHARAN, ASHUTOSH 3,009,336

SHARIF, EHESAN UL 3,009,196
SHARP, EMMA 3,009,149
SHEA, KELLY MARGARET 3,009,376
SHEAROUSE, WILLIAM COFFIN 3,009,352
SHEEHAN, BRIAN EUGENE 3,009,170
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,009,057
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,009,058
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,009,067
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,009,125
SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. 3,009,128
SHENOY, BHARATH RAVINDRA 3,009,457
SHENZHEN KYD BIOMEDICAL TECHNOLOGY CO.LTD 3,009,429
SHENZHEN SENBOLL BIOTECHNOLOGY CO., LTD. 3,005,725
SHERRY, RYAN ALAN 3,009,517
SHESTOPALOV, ANDREA 3,009,499
SHIBAMOTO, YASUHIRO 3,009,482
SHIBUTANI, TADAO 3,009,485
SHIELDS, SAMUEL S. 3,009,202
SHIMMA, NOBUO 3,009,316
SHIN POONG PHARMACEUTICAL CO., LTD. 3,009,468
SHIN, HWA KYOUNG 3,009,309
SHIOMI, TAKESHI 3,009,129
SHIOMI, TAKESHI 3,009,462
SHIONOGI & CO., LTD. 3,009,478
SHIRAI, JUNYA 3,009,325
SHOCHAT, MORAN 3,009,279
SIGGELKOW, BETTINA 3,009,541
SIGNER, GUIDO 3,009,240
SIKA TECHNOLOGY AG 3,008,952
SIKA TECHNOLOGY AG 3,009,100
SIKA TECHNOLOGY AG 3,009,255
SILJEBO, WILLIAM 3,009,145
SIMONIN, STEPHEN PAUL 3,009,045
SIMONIN, STEPHEN PAUL 3,009,051
SIMONIN, STEPHEN PAUL 3,009,053
SIMPSON, ALANA J. 3,009,491
SIMS, CHRISTOPHER 3,009,153
SINGH, HARPREET 3,009,286
SINGH, JOHN P. 3,009,167
SINTEF TTO AS 3,008,972
SIOPES, WILLIAM 3,009,105
SIPRA, HASSAN 3,009,498
SISTEKS D.O.O. 3,009,507
SKJAERBAEK, NIELS 3,008,920
SKJERVOLD, PER OLAV 3,009,344
SKJERVOLD, PER OLAV 3,009,349
SLOCUM, SHERRI ANN 3,009,427
SMITH, CAMERON J. 3,009,193
SMITH, DANIEL 3,009,102
SNEE, PRESTON TODD 3,009,199
SOBCZYK, MARCEL 3,009,266
SODHI, THOMAS SINGH 3,009,160
SOE, JORN BORCH 3,009,060
SOLLER, FABIO 3,009,334
SONY CORPORATION 3,009,391
SORBONNE UNIVERSITE 3,009,553
SORENSEN, JENS FRISBAEK 3,009,315
SOTH, MICHAEL J. 3,009,355
SOULA, DOUG 3,009,330
SPICKERMANN, REINER 3,009,424
SPOONER, EDWARD 3,009,103
SPOONER, EDWARD 3,009,104
SPOONER, EDWARD 3,009,136
SPOSIT, JAMES J. 3,009,518
SQUINZI, MARCO 3,009,084
SRINIVASA, SIDDHARTHA 3,009,102
SRINIVASAN, SANKARANARAYANAN 3,009,457
SSB WIND SYSTEMS GMBH & CO. KG 3,009,295
STACKPOLE INTERNATIONAL ENGINEERED PRODUCTS, LTD. 3,009,116
STADELMANN, BEAT 3,009,180
STADELMANN, BEAT 3,009,347
STADELMANN, BEAT 3,009,348
STADLMANN, KLAUS 3,008,898
STADLMANN, KLAUS 3,008,902
STAMICARBON B.V. 3,009,138
STANFILL, CRAIG W. 3,009,359
STANGE, HEINER 3,009,469
STAUB, ANDREA J. 3,009,052
STAVLAND, ARNE 3,009,290
STEAD, ROBERT ANTHONY 3,009,419
STEFANONI, MASSIMO 3,009,084
STEIN, NILS 3,009,426
STEINER, ANDRE 3,009,149
STELIA AEROSPACE 3,008,814
STELMACH, JOHN 3,009,193
STEPANOV, ARTUR 3,008,885
STETTLER, HANS 3,008,379
STEVENSON, PAUL JAMES 3,009,505
STOCKENHUBER, MICHAEL 3,009,383
STOLLERY, JONATHAN WILLIAM 3,009,302
STOLLERY, KIM MARIE 3,009,302
STRAIGHT NISSEN, TORBEN 3,009,063
STRAUB, PETER 3,009,240
STRAUGHAN, SIMON 3,008,974
STULL, ROBERT A. 3,009,488
STUMMER, MANFRED 3,009,535
STURNIOLO, EMIL 3,008,871
SUGANO, TAKAO 3,009,482
SUGDEN, JOHN L. 3,008,820
SUGDEN, JOHN L. 3,008,835
SUGIURA, JUNICHI 3,008,954
SUMATHI, PATURU 3,009,096
SUMITOMO ELECTRIC HARDMETAL CORP. 3,009,030
SUMITOMO ELECTRIC HARDMETAL CORP. 3,009,032
SUMITOMO ELECTRIC INDUSTRIES, LTD. 3,009,030
SUMITOMO ELECTRIC INDUSTRIES, LTD. 3,009,032
SUMITOMO METAL MINING CO., LTD. 3,009,035
SUMNICHT, DANIEL W. 3,009,361
SUMNICHT, DANIEL W. 3,009,362
SUN, JIN 3,009,241
SUN, LIANGLIANG 3,009,061
SUN, YI 3,008,698
SUPERDIELECTRICS LTD 3,009,446
SWANSON, MALCOLM L. 3,009,198
SWEDISH MATCH NORTH EUROPE AB 3,008,974
SYLVESTER, JOSEPH 3,009,105
SYNAPTIVE MEDICAL (BARBADOS) INC. 2,991,191
SYNDEVRX, INC. 3,008,960
SYNFUEL AMERICAS CORPORATION 3,009,021
SYSCO GUEST SUPPLY, LLC 3,009,511
SZETO, KAI W. 3,009,073
TAKAHASHI METAL INDUSTRIES CO., LTD. 3,009,150
TAKAHASHI, YUKIKO 3,009,150
TAKEDA PHARMACEUTICAL COMPANY LIMITED 3,009,325
TAKEICHI, JUNYA 3,009,480
TAKEUCHI, MANABU 3,009,050
TAKEUCHI, SATOSHI 3,009,029
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WOLOWSKI, EVAN	3,008,868
YU, TAO	2,989,709
YURCHENCO, JAMES R.	3,008,723